



## ACCEPTANCE PRESENTATION

HU Qunqun (Carina), Amabel LAU Si Ting, Leon LIM Junyang, Sherman YONG Chin Wei

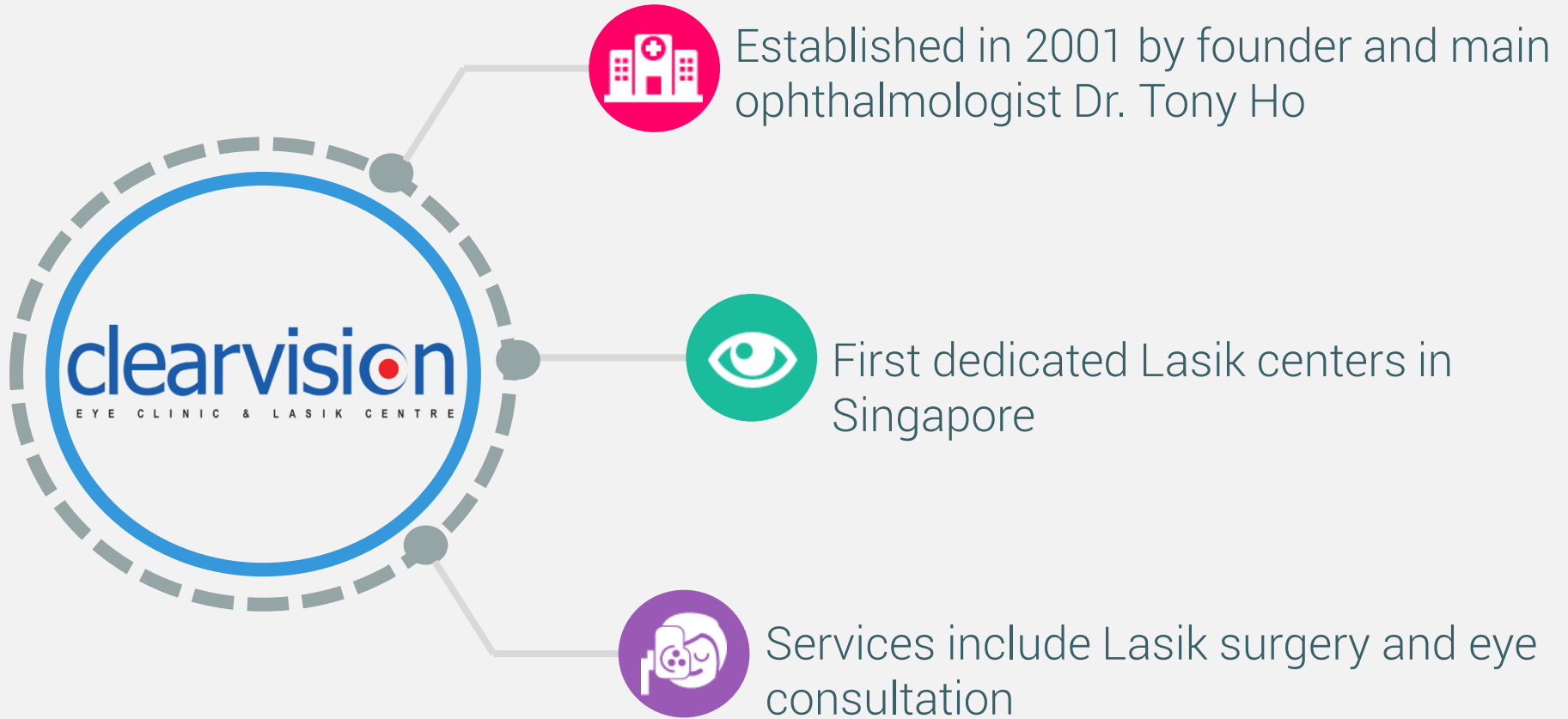
# Agenda





# PROJECT OVERVIEW

# OUR SPONSOR



# AS-IS PROCESS ISSUES



**Manual  
activities**



**Unable to track  
performance of  
clinic**

# AS-IS PROCESS ISSUES



## Manual activities

- Checking of available appointment time slots
- Search for suitable time slots to suggest to patients
- Counting the number of patients in the time slot to determine if its full
- Memorizing available time slots for respective doctor's appointment types



# AS-IS PROCESS ISSUES



## Manual activities

- Calling of patients to remind them of appointment
- Calling of other clinic to sync the appointment book
- Keying in duplicated data into marketing Google spreadsheet
- Search for an existing appointment
- Consolidating and confirming patient no show list



# AS-IS PROCESS ISSUES



## Unable to track performance of clinic

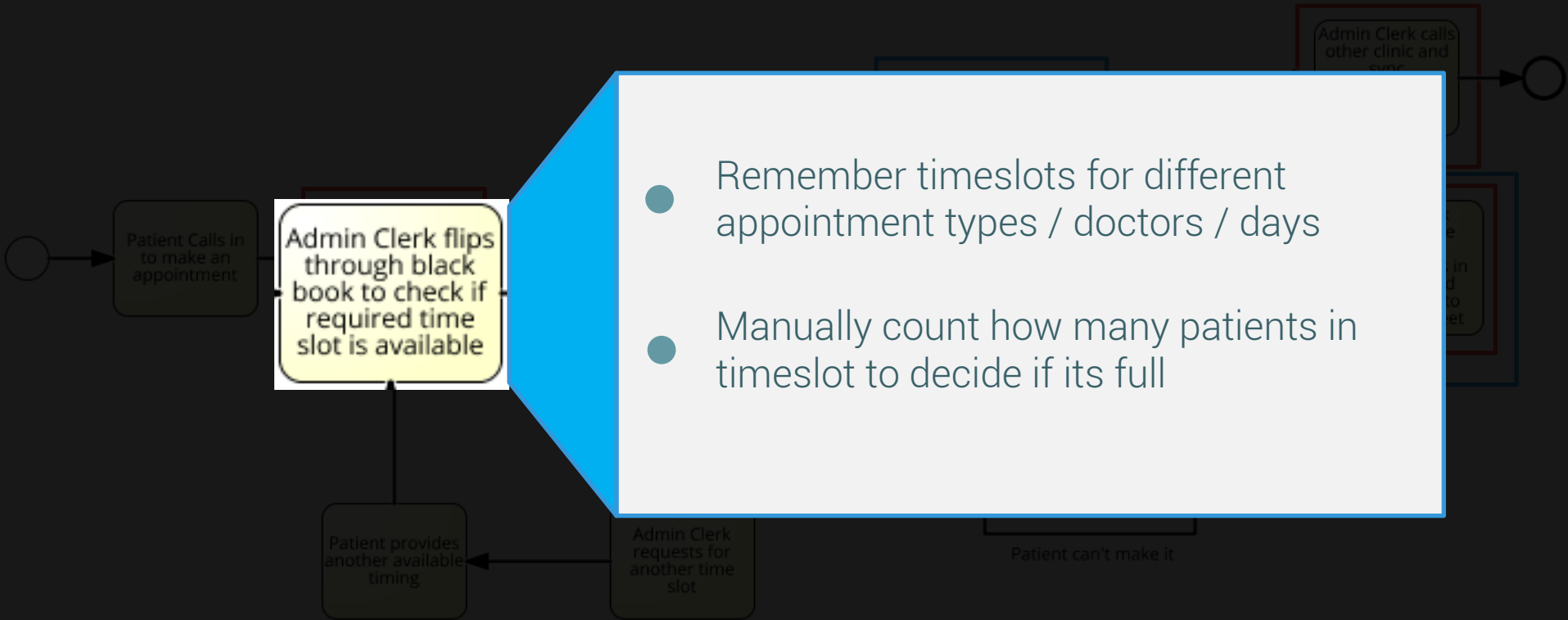
- Conversion rates of different marketing channels are difficult to trace
- Return of investment on marketing campaigns is difficult to calculate





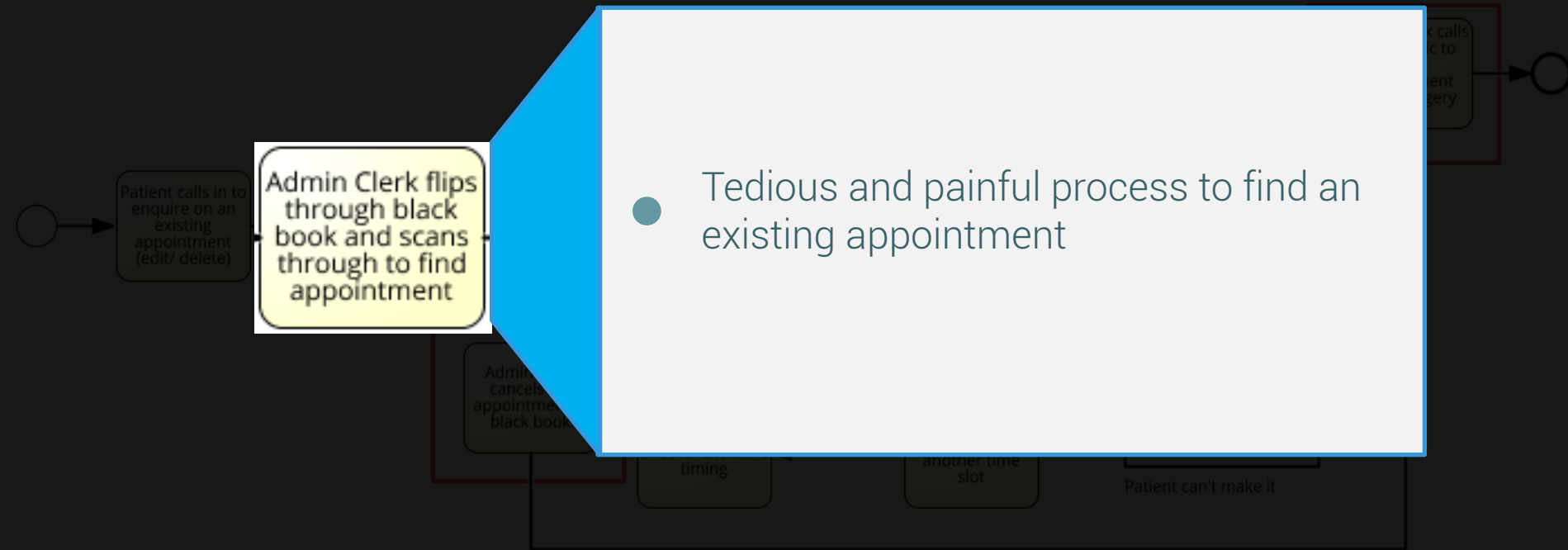
# AS-IS PROCESS

## Appointment Booking



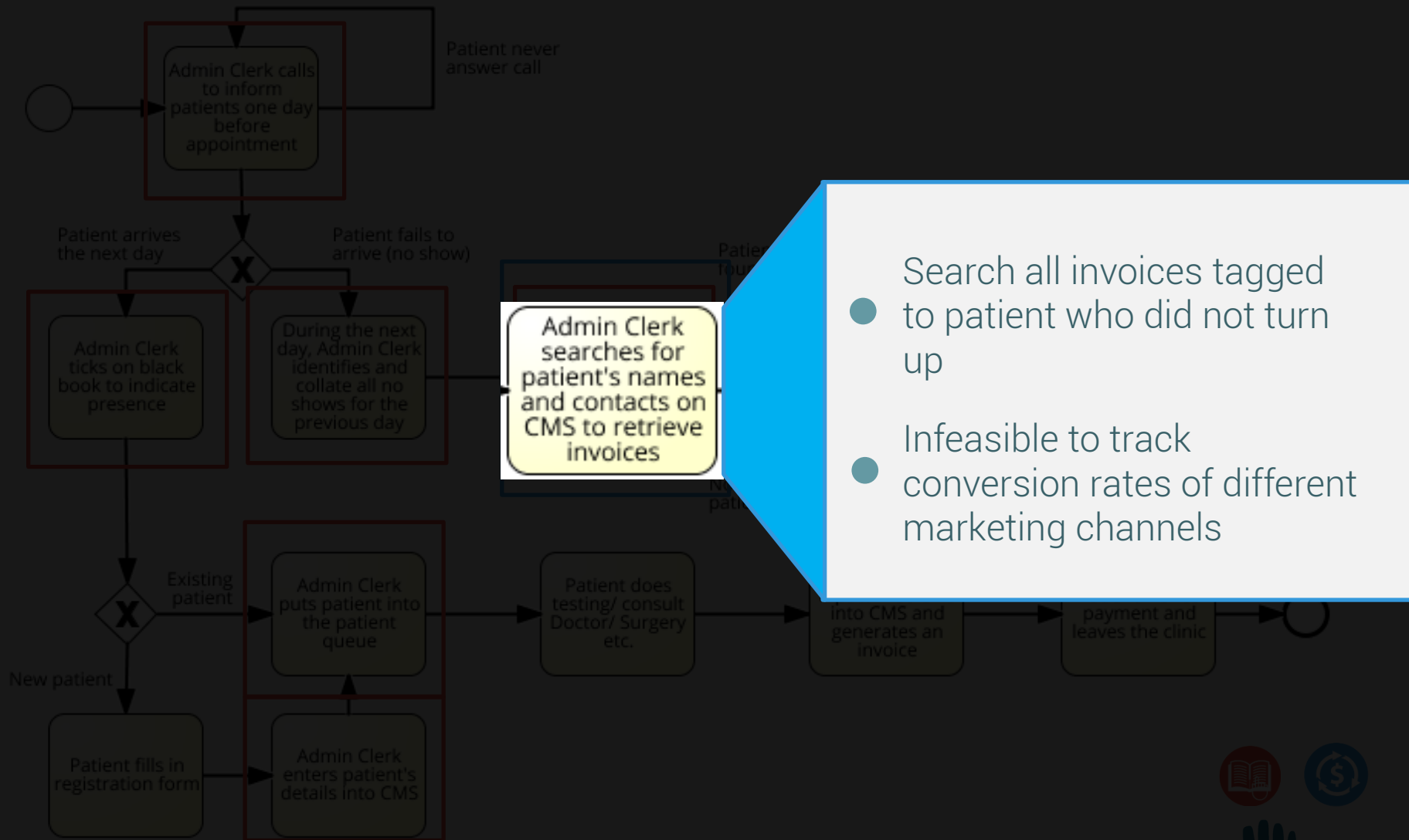
# AS-IS PROCESS

## Appointment Updates & Deletion



# AS-IS PROCESS

## Queue Management



- Search all invoices tagged to patient who did not turn up
- Infeasible to track conversion rates of different marketing channels

# SOLUTION



Appointment Scheduling Web Application

Eradicate Manual Activities with Integrated Features

Customizable & Scales with Ease



Project Overview



Scope



Development



Demo



Quality Assurance




Project Management



The Team



# MARKET RESEARCH

	 Setmore	 SimplyBook.me	 Acuity SCHEDULING	Genbook	 SuperSaaS	 SIGHT
SMS/ Email Configurations	✓	✓		✓	✓	✓
Analytics Dashboard		✓		✓	✓	✓
Notification	✓					✓
Scheduling	✓	✓	✓	✓	✓	✓
Google Calendar Sync	✓	✓	✓	✓	✓	✓
Mobile Ready	✓	✓	✓	✓	✓	✓
Customization	✓	✓	✓	✓	✓	✓
Search / Filter			✓	✓		✓
Heat Map						✓
Suggest Time Slots						✓
Waiting List						✓

# MARKET RESEARCH



SuperSaaS

Week 34 Today Month Day Agenda Available 31 1 2 3 4 5 6

Mon 8-17 Tue 8-18 Wed 8-19 Thu 8-20 Fri 8-21 Sat 8-22 Sun 8-23

8:00

9:00

10:00

10:30 – 11:30  
Leon Lim  
administrator

11:00

11:30 – 12:30  
Leon Lim  
administrator

12:00

13:00

14:00

15:00

16:00

17:00

New Reservation ✕

When 2015-08-20 10:00 to 2015-08-20 11:00

Full name Leon Lim \*

Phone

\* Indicates required field

Create Reservation Cancel



Project Overview



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Quality Assurance



Project Management



The Team



# MARKET RESEARCH



Setmore

Calendar Customers Profile Settings Close Upgrade amabel | Jul 2012 | Wed 11:00 AM

amabel Weekly Today Aug 17 Aug 23

MON, AUG 17 TUE, AUG 18 WED, AUG 19 THU, AUG 20 FRI, AUG 21 SAT, AUG 22 SUN, AUG 23

8am 9am 10am 11am 12pm 1pm

### Appointment

DETAILS CUSTOMER No Label

Provider ☒ amabel

Service

Day/Time ☒ Wed, Aug 19 09:00 am

Notes

Recurring? ☐ OFF ☒ PREMIUM

Continue

Blog Help Feedback Start a Chat



Project Overview



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# X FACTOR



Self Proposed one-of-a-kind **intelligent scheduling** aimed at reducing the time taken for creating, editing and deleting an appointment booking by at least **50%**



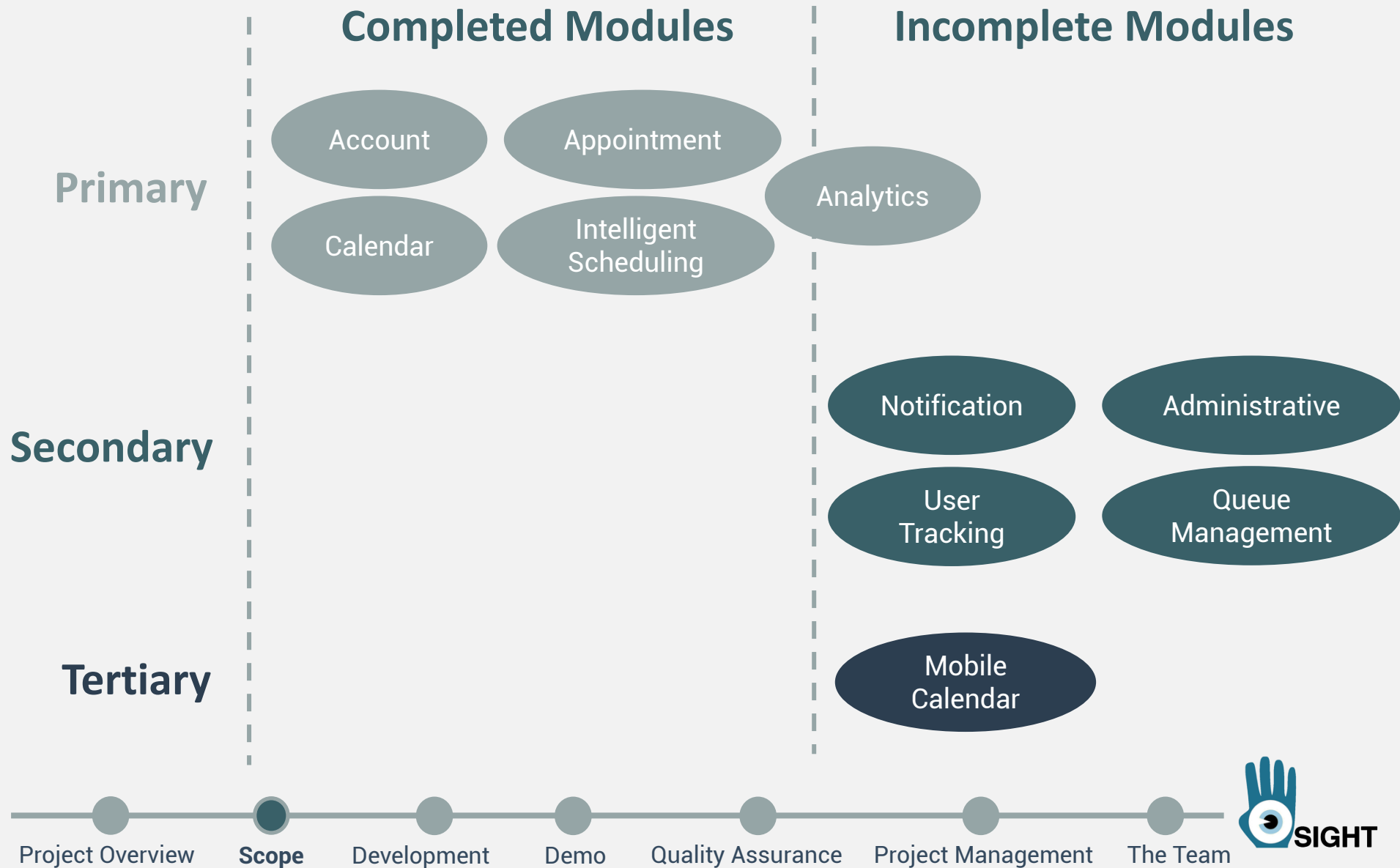
**Early Deployment** to track and collect at least **100 schedule records** before mid-term presentation, so as to generate an assessment analysis used to improve the productiveness of our application





**SCOPE**

# ALL FUNCTIONS





# PRIMARY FUNCTIONS

Primary Function

Secondary Function

Tertiary Function

## Account Module

- Login / Logout 
- Update Settings 

# PRIMARY FUNCTIONS

Primary Function

Secondary Function

Tertiary Function

## Appointment Module

- Create Appointment ☒
- Update Appointment ☒
- Delete Appointment ☒

# PRIMARY FUNCTIONS

Primary Function

Secondary Function

Tertiary Function

## Calendar Module

- Display Calendar ☒
- Navigate Calendar ☒
- Search for Appointments ☒
- Filter for Appointments ☒

# PRIMARY FUNCTIONS

Primary Function

Secondary Function

Tertiary Function

## Intelligent Scheduling Module

- Heat Map of Clinic Schedule ☒
- Suggest Appointment Time Slots ☒
- Manage Appointment Waiting List ☒


# PRIMARY FUNCTIONS

Primary Function

Secondary Function

Tertiary Function

## Analytics Module

- Dashboard Summary and Trending
- Appointment Scheduling Analysis
- Return of Investment Analysis 
- Survey Results Analysis

# SECONDARY FUNCTIONS

Primary Function

Secondary Function

Tertiary Function

## Administrative Module

- Manage Accounts
- Customization Settings
- Clinic Expansion Module
  - Create Customized Calendar
  - Define Roles and Assign Users
  - Configure Access Control



# SECONDARY FUNCTIONS

Primary Function

Secondary Function

Tertiary Function

## Notification Module

- Automated SMS Appointment Reminder
- Send SMS Appointment Cancellation
- Send SMS Swap Confirmation
- Receive SMS to Swap Appointment
- Survey Task Notification via Email

# SECONDARY FUNCTIONS

Primary Function

Secondary Function

Tertiary Function

## Queue Management Module

- Manage Patient Queue

## User Tracking Module

- Record user action timings



# TERTIARY FUNCTIONS

Primary Function

Secondary Function

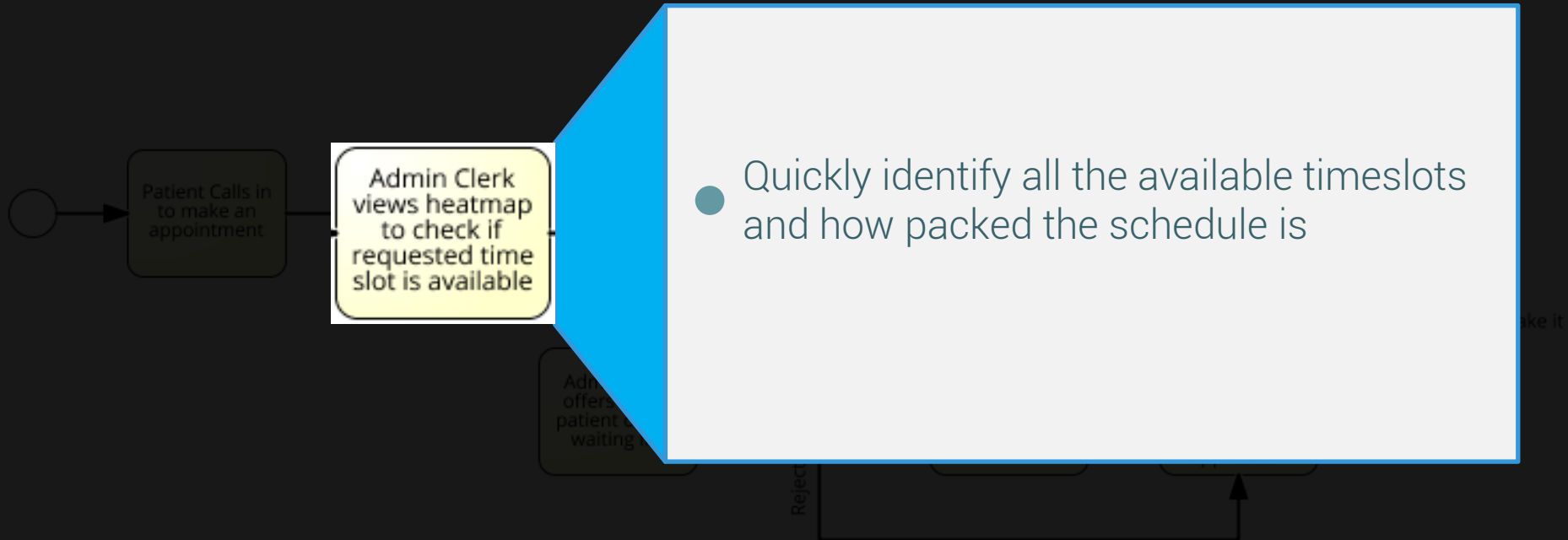
Tertiary Function

## Mobile Calendar Module

- Sync Appointments to Native Calendar

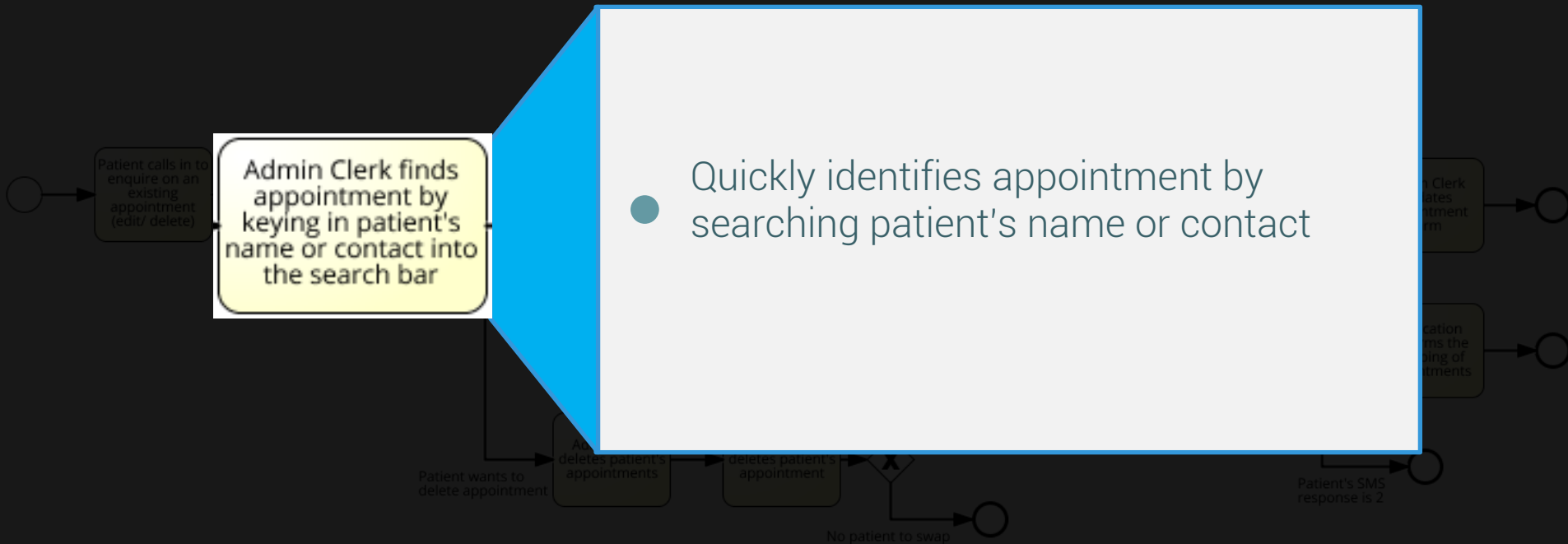
# TO-BE PROCESS

## Appointment Booking



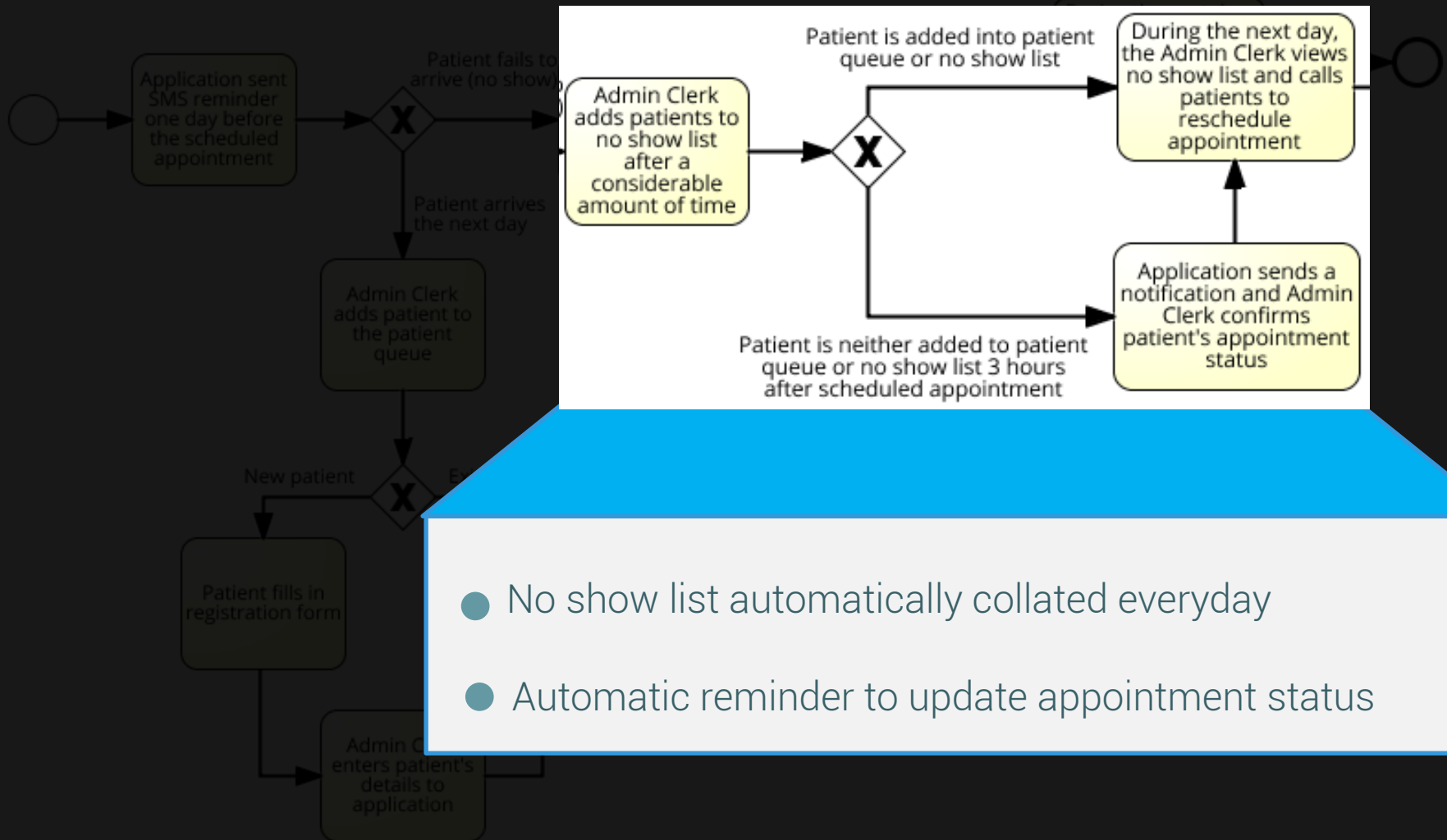
# TO-BE PROCESS

## Appointment Updates & Deletion



# TO-BE PROCESS

## Queue Management

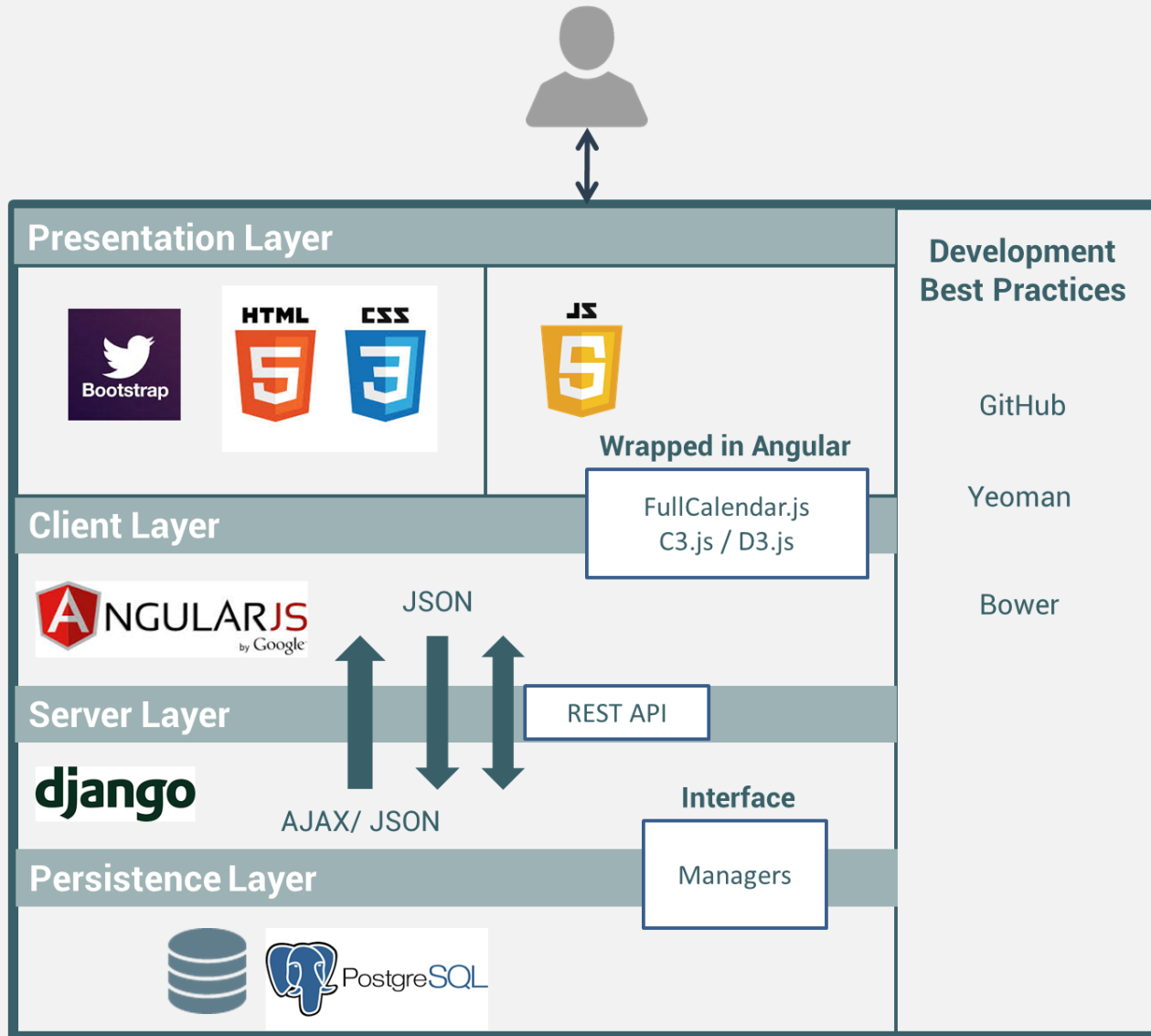


- No show list automatically collated everyday
- Automatic reminder to update appointment status



# DEVELOPMENT

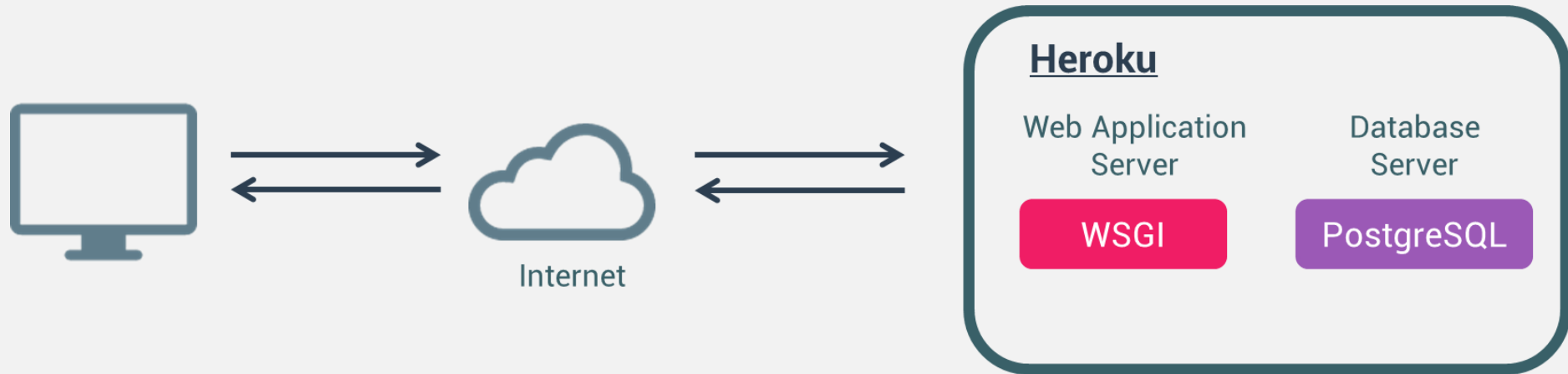
# TECHNICAL DIAGRAM





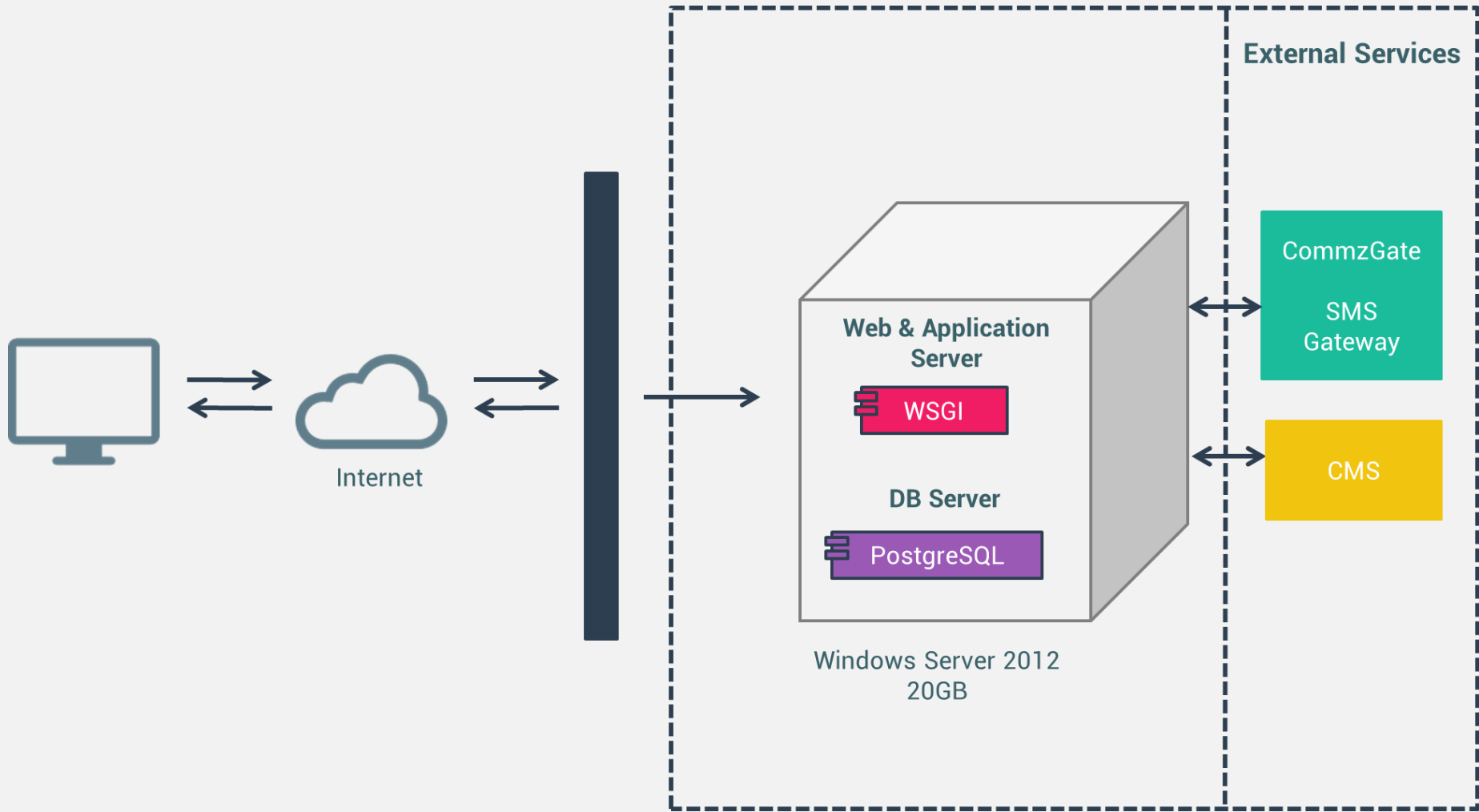
# ARCHITECTURE DIAGRAM

## Development



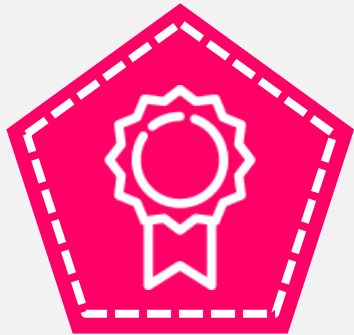
# ARCHITECTURE DIAGRAM

## Deployment





# DEMO



# QUALITY ASSURANCE

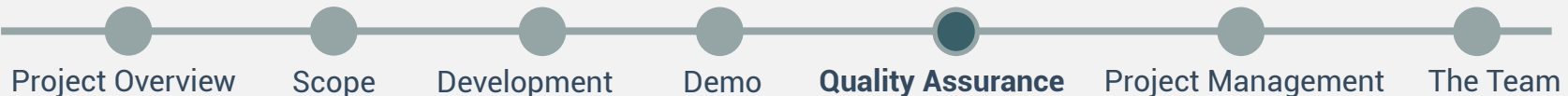
# TESTING

## Agile Environment



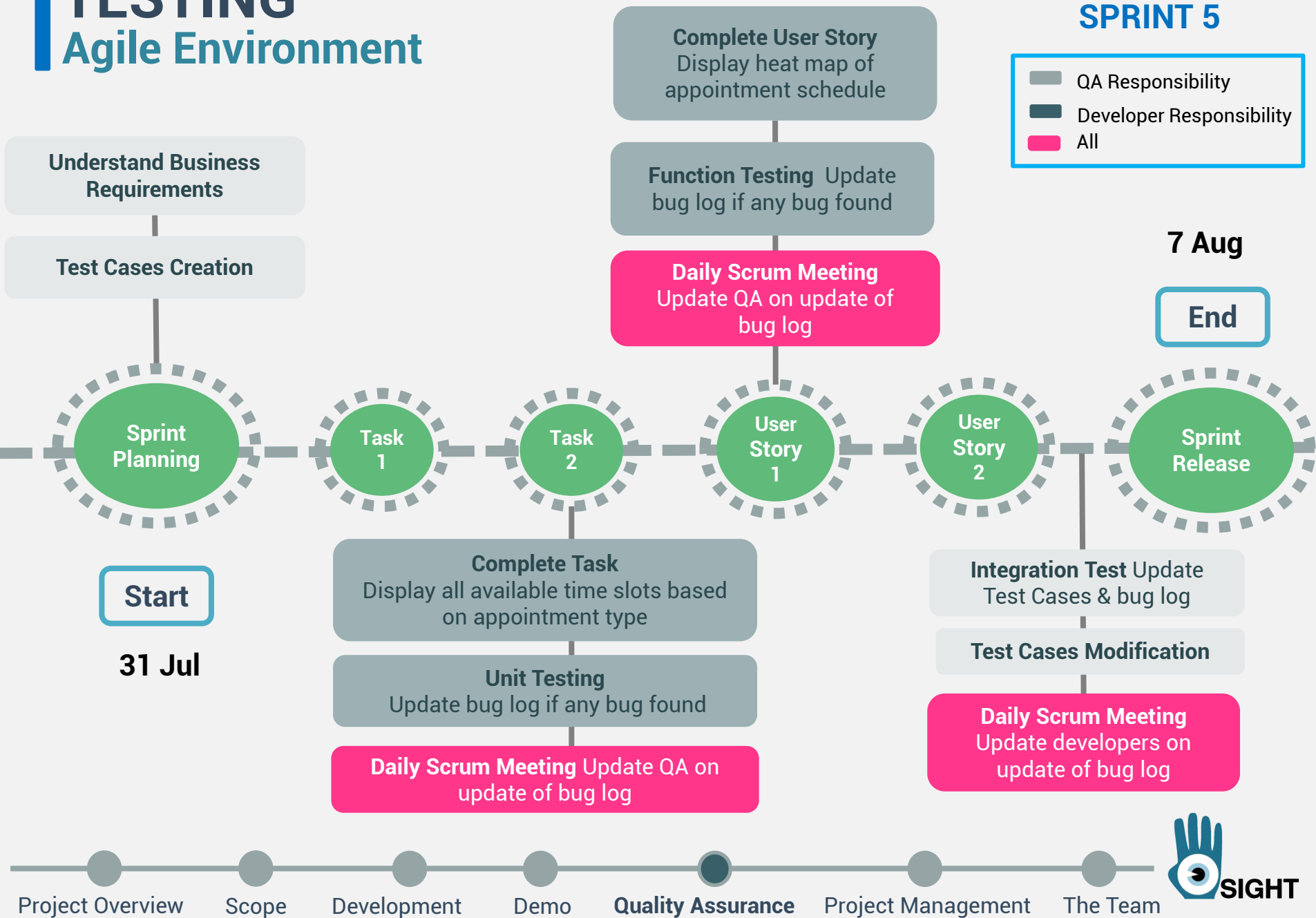
Testing is integrated throughout the sprint cycle

Developers and QA are both responsible for testing the application



# TESTING

## Agile Environment



# TESTING

## Outcome



Allow developers to have quick response to bugs

Shorter release time at the end of each sprint

Able to focus on functionality improvements during sprint review, rather than fixing the bugs

# BUG TRACKING



Bugs are logged by QA and developers during individual testing

QA keeps track of bug on a daily basis to ensure all bugs are properly logged

Sprint	Functionality	Bug Description	Category	Severity	Date Found	Assigned To	Priority	Estimated Duration to Solved	Date Solved	Status	Cause	Action Taken	Score
5	Create Appointment	If patient decided to be on waiting list, the temp appointment(waiting list appt) cannot be created	BE	High	6/15/2015	Sherman	High	30mins	6/15/2015	Solved	tempAppt Id not referenced properly. Overlooked the foreign keys relations between the database and referenced the scheduled appt instead of the temp appt ID	Referenced the correct Temp appt ID. Patient can now be added into a scheduled appt and the temp appt properly	9



# BUG TRACKING

## Bug severity Metric

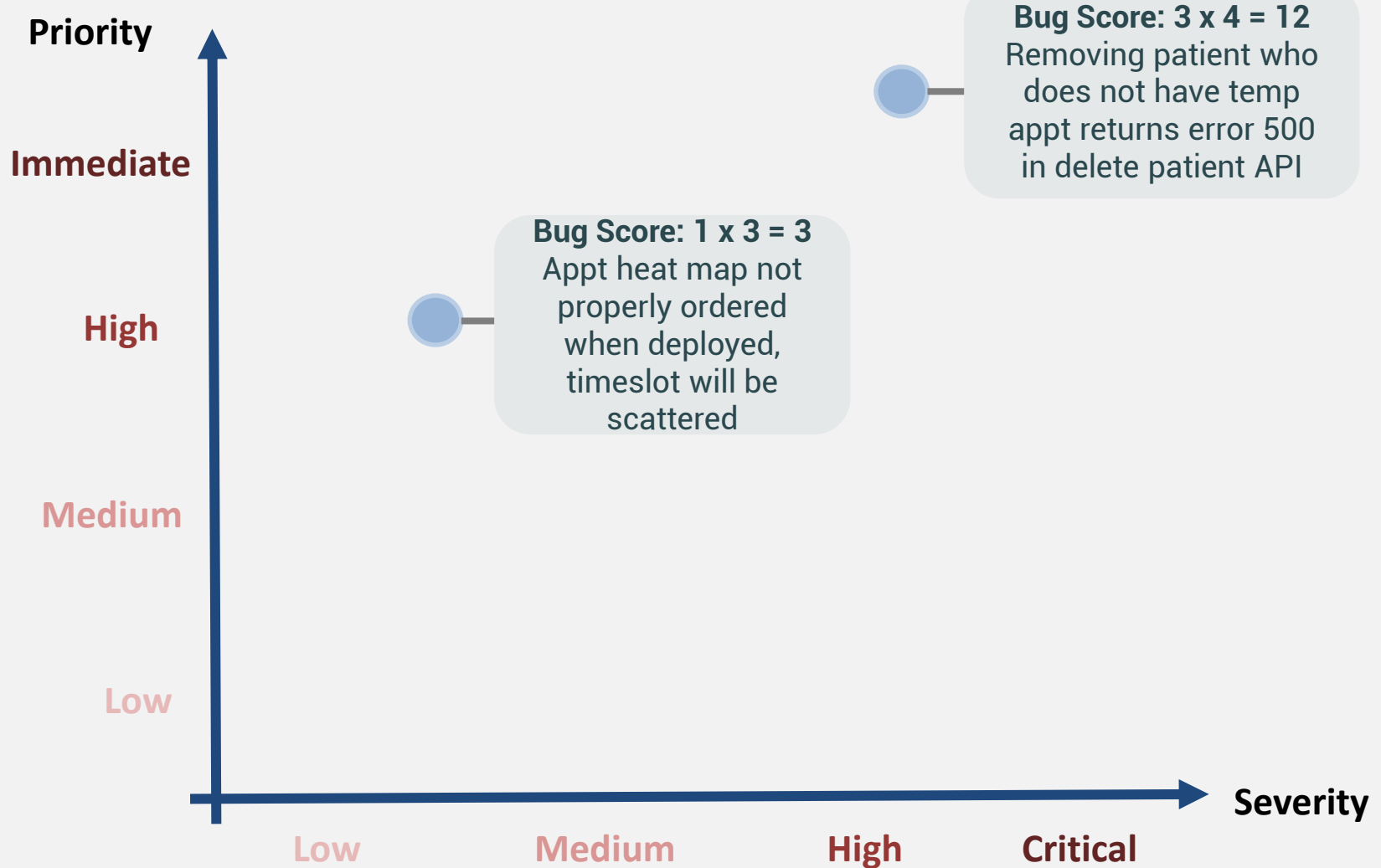
Bug Severity Metric	
Severity	Description
Low	No real impact on functionality Usually aesthetic error, enhancement or a result of non-conformance to a standard
Medium	Do not result in failure but cause system to show incorrect, incomplete, or inconsistent results Usability issues for non-critical functionalities (Tertiary functions)
High	Failure that prevents the application from meeting requirements or carrying out a feature Usability issues for critical functionalities (Primary and Secondary functions)
Critical	Failure that prevents the application from functioning, unable to carry out further testing Causes data loss, incomplete or inconsistent data stored on the database

# BUG TRACKING

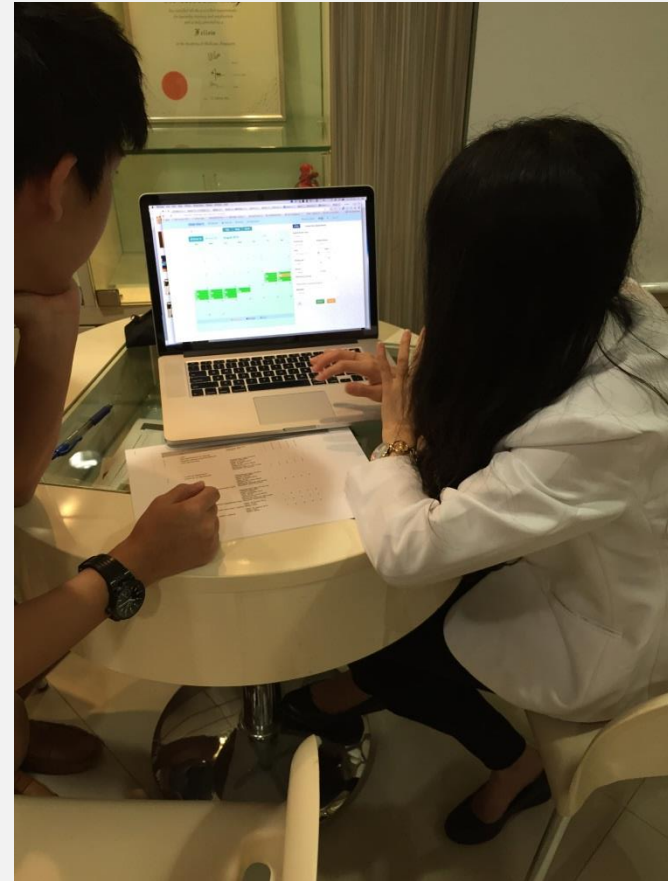
## Bug Priority Metric

Bug Priority Metric	
Priority	Description
Low	Fixing can be deferred until all other priority defects are fixed, either after release or in next release
Medium	Fixing has to be done after all major bugs have been repaired
High	Fixing should be done as soon as possible during the development process, before a sprint release
Immediate	Fixing should be done immediately while other development should be halted

# BUG TRACKING



# USER TESTING 1



# USER TESTING 1

#	Task	Participant 1	Participant 2	Participant 3	Overall Mean	Remark
1	Login	5	5	5	5	
2	View appointments on calendar	5	5	5	5	
3	Navigate calendar (Day/Week/Month)	5	5	5	5	
4	Filter appointments	4	5	4	4.33	
5	Create an appointment	5	5	4	4.67	
6	Search for an appointment	5	5	4	4.67	
7	Edit an appointment (Same Appointment Type)	5	5	4	4.67	
8	Edit an appointment (Different Appointment Type)	5	5	4	4.67	
9	Delete an appointment (With more than 1 patient)	5	3	5	4.33	Add pop-up to confirm deletion
10	Delete an appointment (With 1 patient)	5	3	5	4.33	Add pop-up to confirm deletion
11	Add an appointment + on waiting list	4	5	3	4	
12	View waiting list	5	5	3	4.33	
13	Delete an appointment	5	5	4	4.67	
14	View waiting list and make the swap	5	4	3	4	

# USER TESTING 1

## User Testing Feedback Score

#	Comments on the application	Participant 1	Participant 2	Participant 3	Overall Mean
1	The application is easy to use	5	5	4	4.67
2	The user interface is intuitive	4	5	4	4.33
3	The color scheme is appropriate	5	5	4	4.67

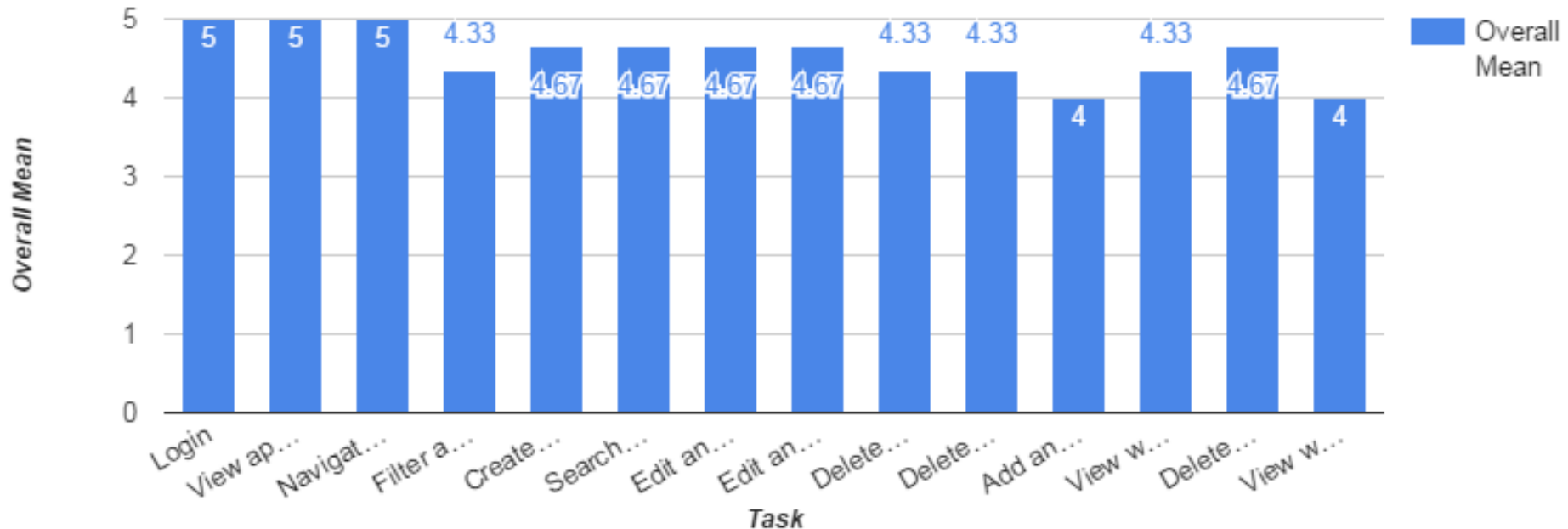
## Open Ended Question

#	Comments on features of application	Collated Feedback
1	Heatmap	color coding of heatmap is good. Prefer if timing is available.
2	Suggested timings	Current layout of application is good. Do not need to enable iSchedule on main calendar page Allow for customization of suggested timings
3	Swapping of appointments	Very simple to use This feature is very useful as they do KIV patient's preferred time slot now. However, there are often negligence on the front desk staff and patient's request is often not followed up with a reply on any possibilities of a swap.

# USER TESTING 1

Easy to perform task? (1: Difficult - 5: Very Easy)

Task Usability Score (Overall Mean)



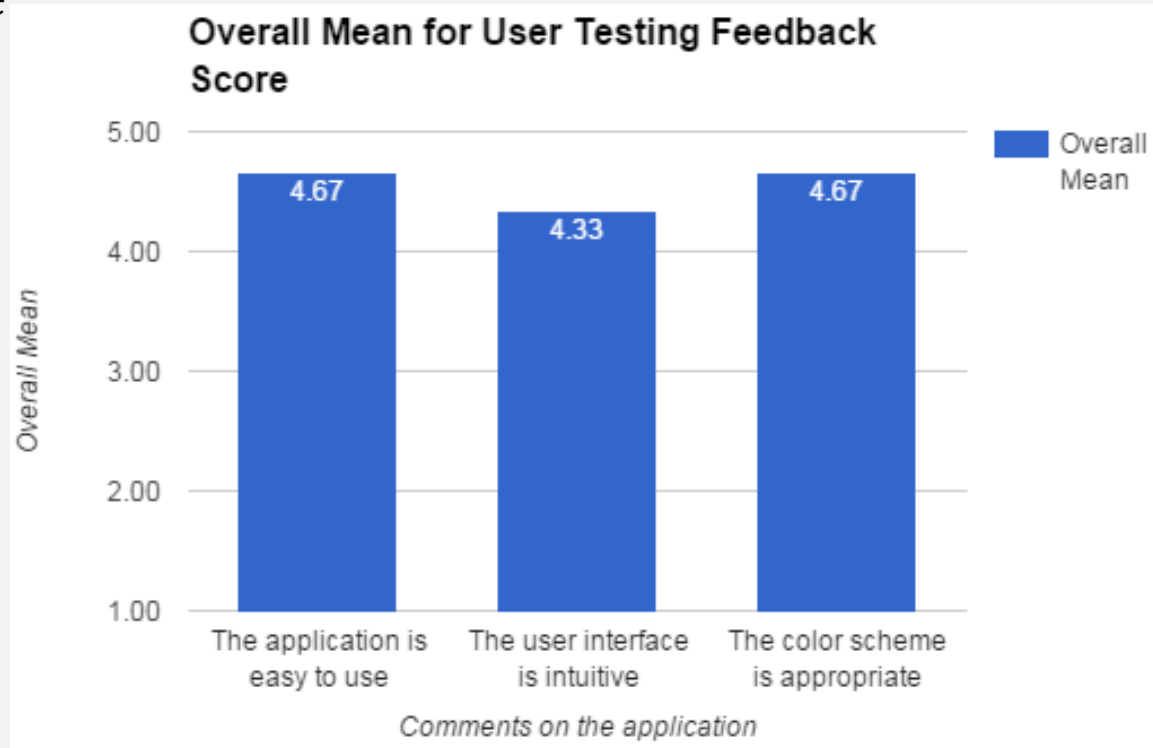
Consistency in usability scores for different functions

# USER TESTING 1

On a scale of 1 to 5, please rate the following:

1 - Strongly Disagree

5 - Strongly Agree



**Intuitive to perform different functions in users' day to day operation**

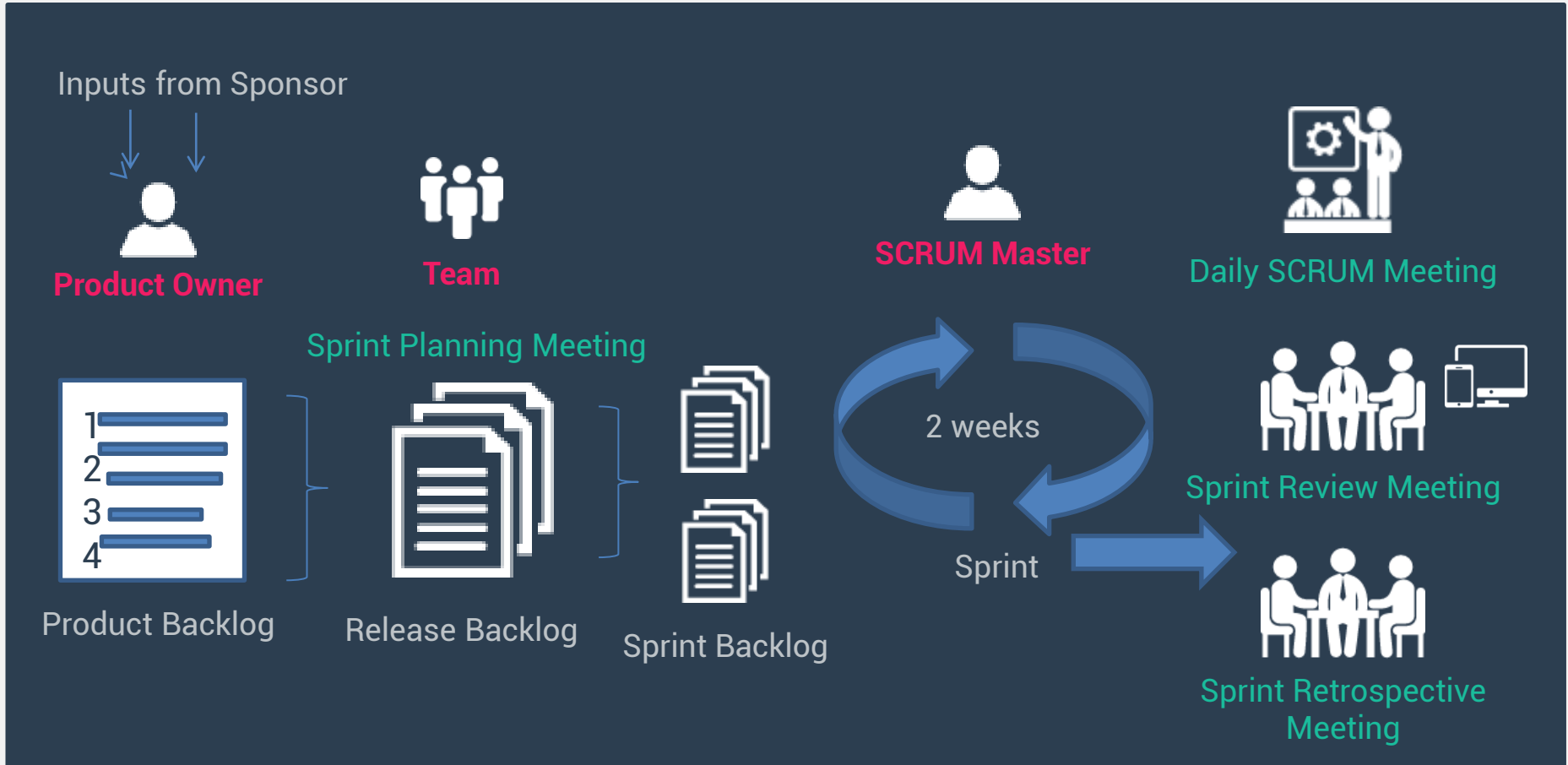




# PROJECT MANAGEMENT

# METHODOLOGY

## Scrum



# METHODOLOGY

## Scrum User Stories



### User Story - All User Story

Project: 4Sight

[Add User Story](#) [Print View](#) [Export](#) [Import](#)

View By All User Story [Reset Filters](#)

[Add Child User Story](#) [Delete User Story](#) [Add](#) [Edit](#)

Id - Name	Status	Blocked	Est. Pts.	Est. Hrs.	To Do Hrs.	Sprint	Release	Priority	Owner				
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>				
20 - Display a list of the next earliest available time slots	To Verify			7.50		Sprint 5		High					5
21 - Display heat map of appointment schedule	To Verify			4.00		Sprint 5		High					3
22 - Display a list of the least packed time slots for the subsequent 2 weeks	To Verify			4.50		Sprint 5		High					4
23 - Add a patient on the waiting list of an appointment time slot	To Verify			11.50		Sprint 5		Medium					4
24 - Add 2 appointments for the patient, one a confirmed booking and one on the waiting list	To Verify			5.00		Sprint 5		Medium					2
25 - Notify the admin clerk when a patient could get the time slot on the waiting list	In Progress			12.00		Sprint 5		Medium					4
26 - Swap the patient's appointment with the preferred time slot on the waiting list	In Progress			16.50		Sprint 5		Medium					7
27 - Dashboard showing an overview of all the data collected	In Progress			5.00		Sprint 5		Urgent					2
28 - Graphical representation to measure the effectiveness of various marketing channels	To Verify			24.00		Sprint 5		Urgent					6
29 - Add customization of data to be displayed on charts	To Verify			10.00		Sprint 5		Urgent					2
32 - Manage role (CRUD of role)	In Progress			2.50		Sprint 6		Urgent					2
33 - Manage role (CRUD of role)	In Progress			2.50		Sprint 6		Urgent					2

# METHODOLOGY

## Scrum Tasks



**Tasks** - All Open Tasks

Project: 4Sight

Add Task Print View Export Import

View  Reset Filters

	Id	Task	Status	Blocked	Owner	Est. Hrs.	Spent Hrs.	ToDo Hrs.	Due Date	Priority	User Story	Sprint
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	57	Design form for creating and removing permis	In Progress		Carina Hu	1.00	1.00		11-Aug-2015	Urgent	Manage permission (CRUD of p	Sprint 6
	58	Design admin page layout	In Progress		Carina Hu	1.50	1.50		11-Aug-2015	Urgent	Manage role (CRUD of role)	Sprint 6
	59	Design form for creating, updating and removi	In Progress		Carina Hu	1.00	1.00		11-Aug-2015	Urgent	Manage role (CRUD of role)	Sprint 6
	60	Design form for creating and removing access	In Progress		Carina Hu	1.00	1.00		12-Aug-2015	Urgent	Mange access right (CRUD of a	Sprint 6
	61	Design a listbox for displaying all access right	In Progress		Carina Hu	1.00	1.00		12-Aug-2015	Urgent	Mange access right (CRUD of a	Sprint 6
	62	Design a listbox for displaying all permissions	In Progress		Carina Hu	1.00	1.00		12-Aug-2015	Urgent	Manage permission (CRUD of p	Sprint 6
	63	Design form for creating, updating and removi	In Progress		Carina Hu	1.00	1.00		13-Aug-2015	Urgent	Manage user (CRUD of user)	Sprint 6
	64	Design form for assigning, updating user's rol	In Progress		Carina Hu	1.50	1.50		13-Aug-2015	Urgent	Manage user's role (CRUD of u	Sprint 6
	65	Design a table for displaying all roles created, New	New		Carina Hu	1.00		1.00	13-Aug-2015	Urgent	View all roles created	Sprint 6
	66	Design a search box	New		Carina Hu	0.50		0.50	13-Aug-2015	High	Search for particular role and us	Sprint 6
	67	Design form for assinging user to newly creat	New		Carina Hu	2.00		2.00	16-Aug-2015	High	Assign new and existing staffs t	Sprint 6
	68	Asynchronous validation to check for existing :	New		Leon Lim	2.00		2.00	16-Aug-2015	High	Assign new and existing staffs t	Sprint 6
	69	Automatic population of existing staff details	In Progress		Leon Lim	2.50	1.00	1.50	16-Aug-2015	High	Assign new and existing staffs t	Sprint 6
	70	Parsing and posting staff details to the backer	New		Leon Lim	1.00		1.00	19-Aug-2015	High	Assign new and existing staffs t	Sprint 6
	71	Front end staff form validation	In Progress		Leon Lim	1.50	1.50		19-Aug-2015	Medium	Assign new and existing staffs t	Sprint 6
	72	Process JSON request to create new users in t	In Progress		Sherman Yong	5.00	3.00	2.00	20-Aug-2015	High	Assign new and existing staffs t	Sprint 6

# METHODOLOGY

## Scrum Taskboard



### Taskboard

Project: 4Sight

Sprint: Sprint 6

Owner: ---All---

Show: ☒ Tasks ☒ Defects

[Filter](#) [Reset](#)

[Legend](#)

User Story (13)	New (Tasks & Defects) (17)	In Progress (Tasks & Defects) (17)	To Verify (Tasks & Defects) (0)	Accepted (Tasks & Defects) (0)
<div>32 - Manage role (CRUD of role)</div> <div>2 0</div> <div>Est Pts: 0</div>		<div>58 - Design admin page layout</div> <div>C Hu</div> <div>Est Hrs: 1.50 Todo Hrs: 0.00</div> <div>59 - Design form for creating.</div> <div>C Hu</div> <div>Est Hrs: 1.00 Todo Hrs: 0.00</div>		
<div>33 - Mange access right (CRUD of access riht)</div> <div>2 0</div> <div>Est Pts: 0</div>		<div>60 - Design form for creating</div> <div>C Hu</div> <div>Est Hrs: 1.00 Todo Hrs: 0.00</div> <div>61 - Design a listbox for disp</div> <div>C Hu</div> <div>Est Hrs: 1.00 Todo Hrs: 0.00</div>		
<div>34 - Manage permission (CRUD of permission)</div> <div>2 0</div> <div>Est Pts: 0</div>		<div>57 - Design form for creating</div> <div>C Hu</div> <div>Est Hrs: 1.00 Todo Hrs: 0.00</div> <div>62 - Design a listbox for disp</div> <div>C Hu</div> <div>Est Hrs: 1.00 Todo Hrs: 0.00</div>		



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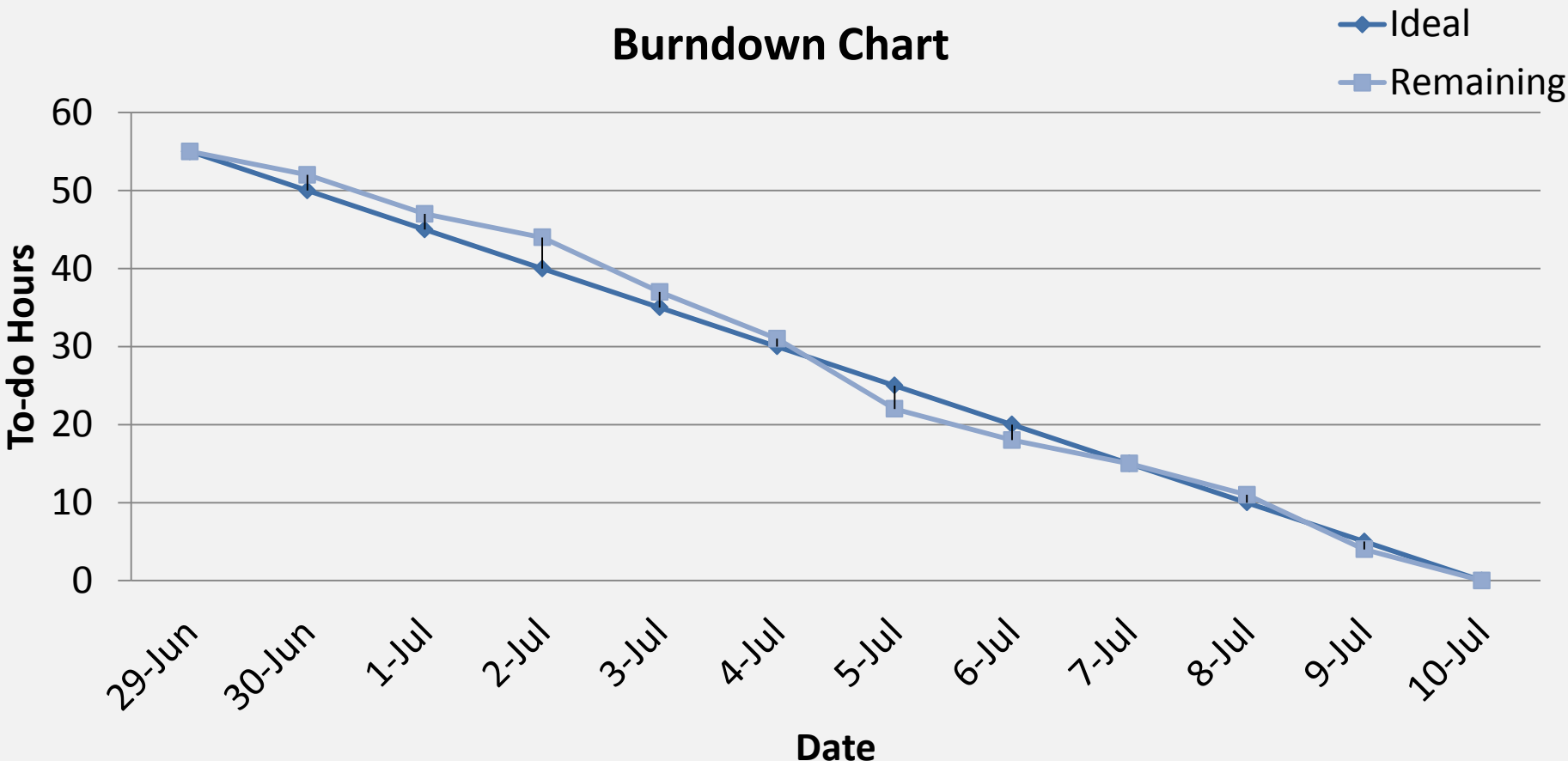
Quality Assurance

Project Management

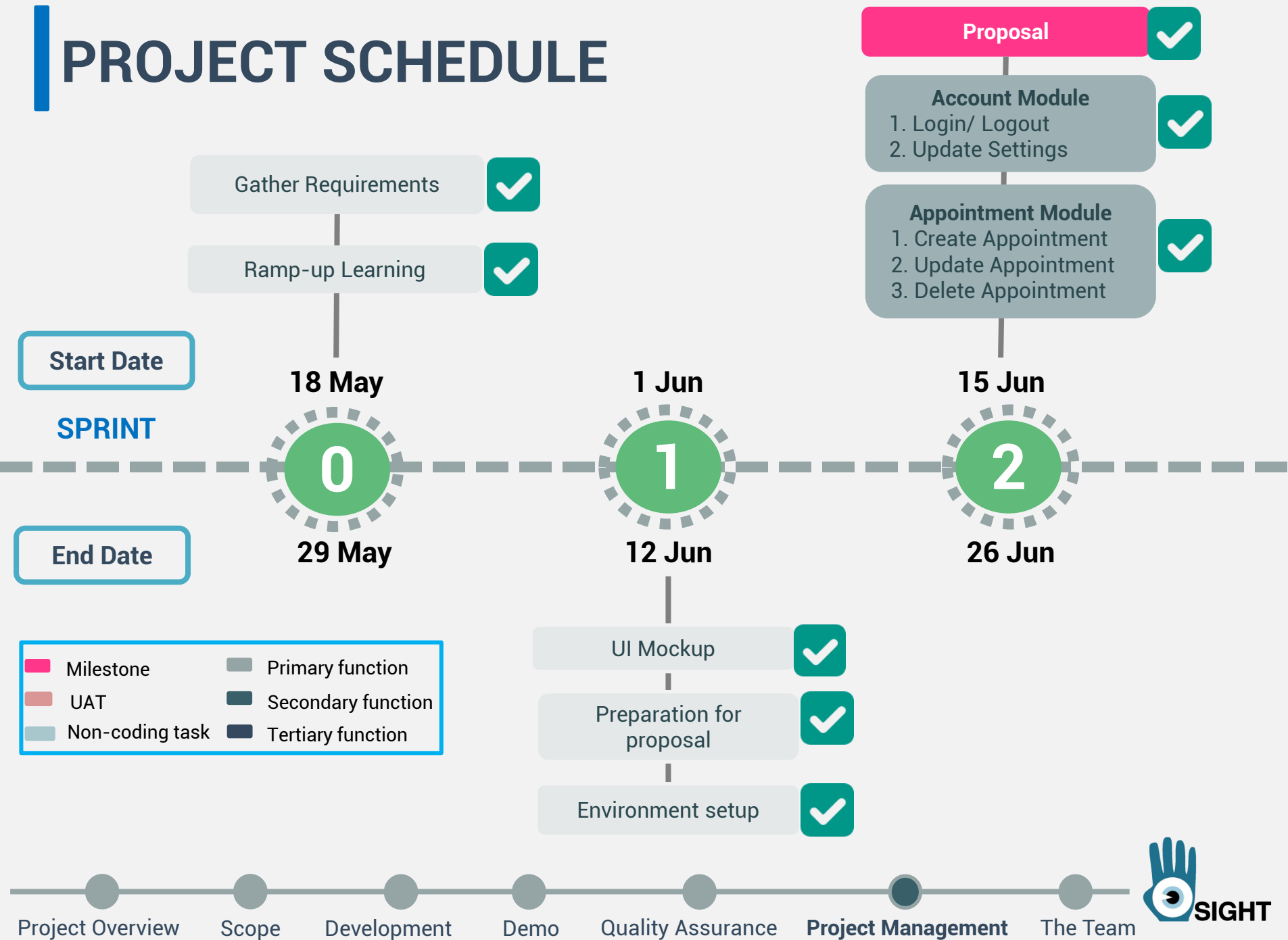
The Team

# METHODOLOGY

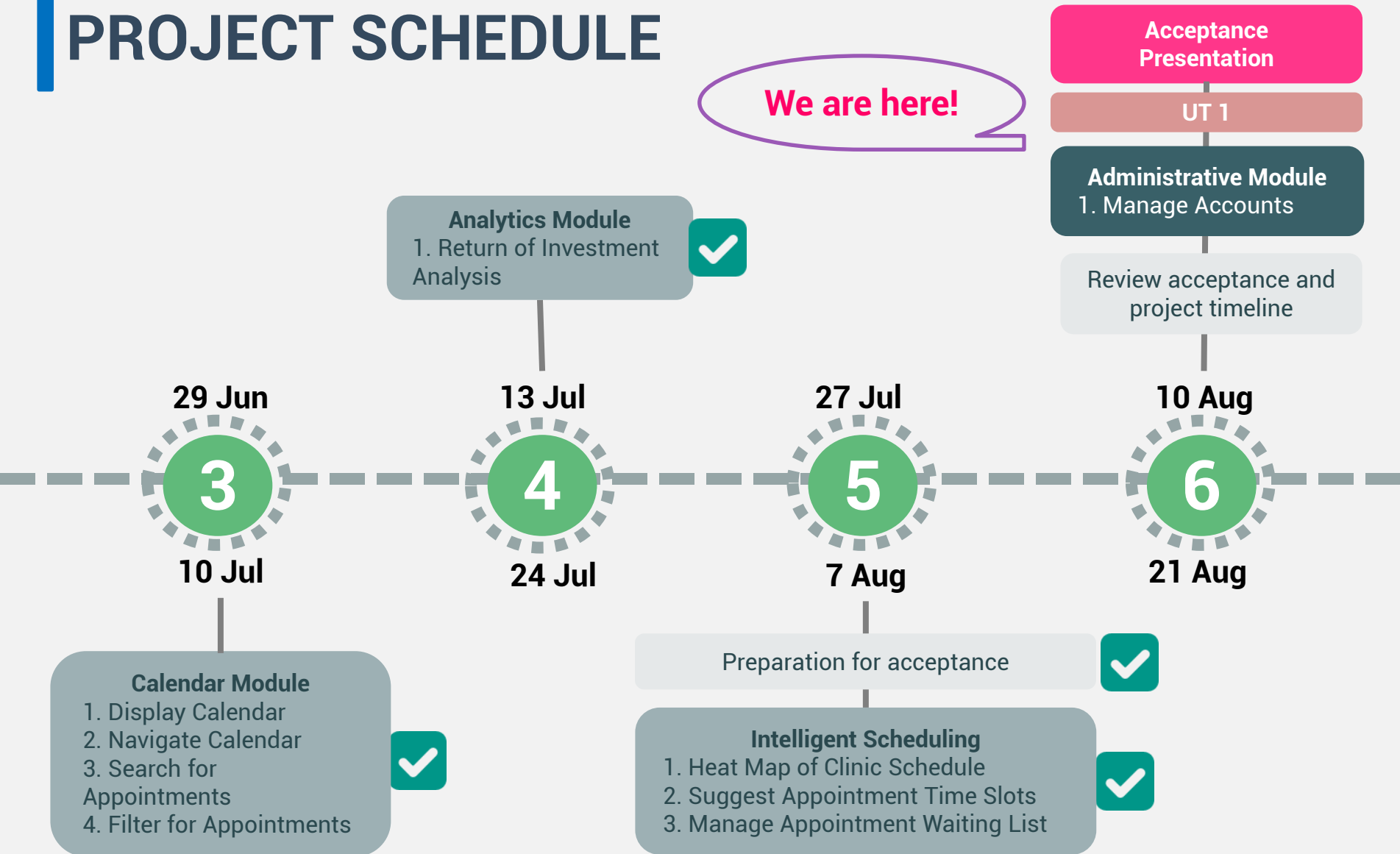
## Scrum Burndown Chart



# PROJECT SCHEDULE

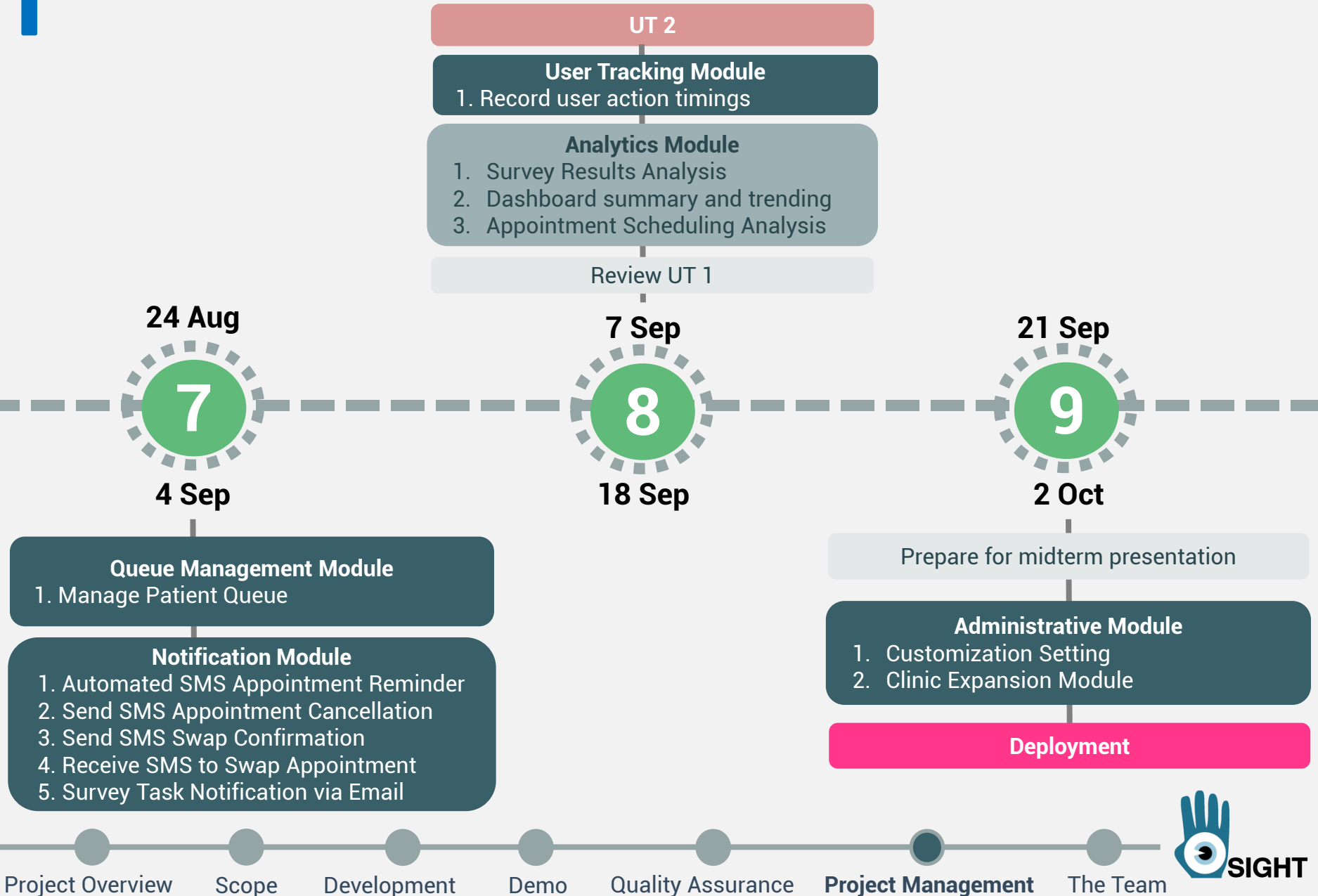


# PROJECT SCHEDULE

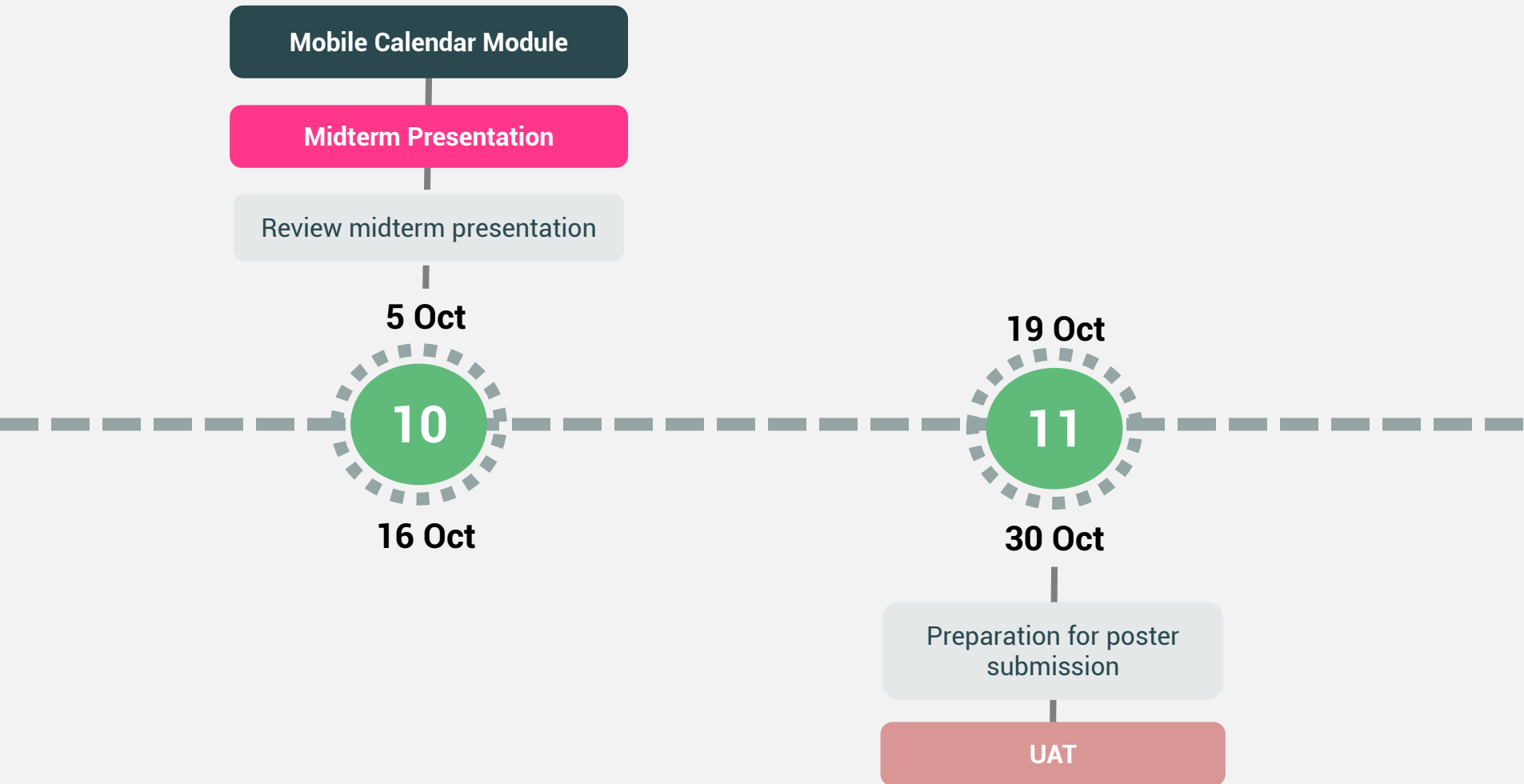




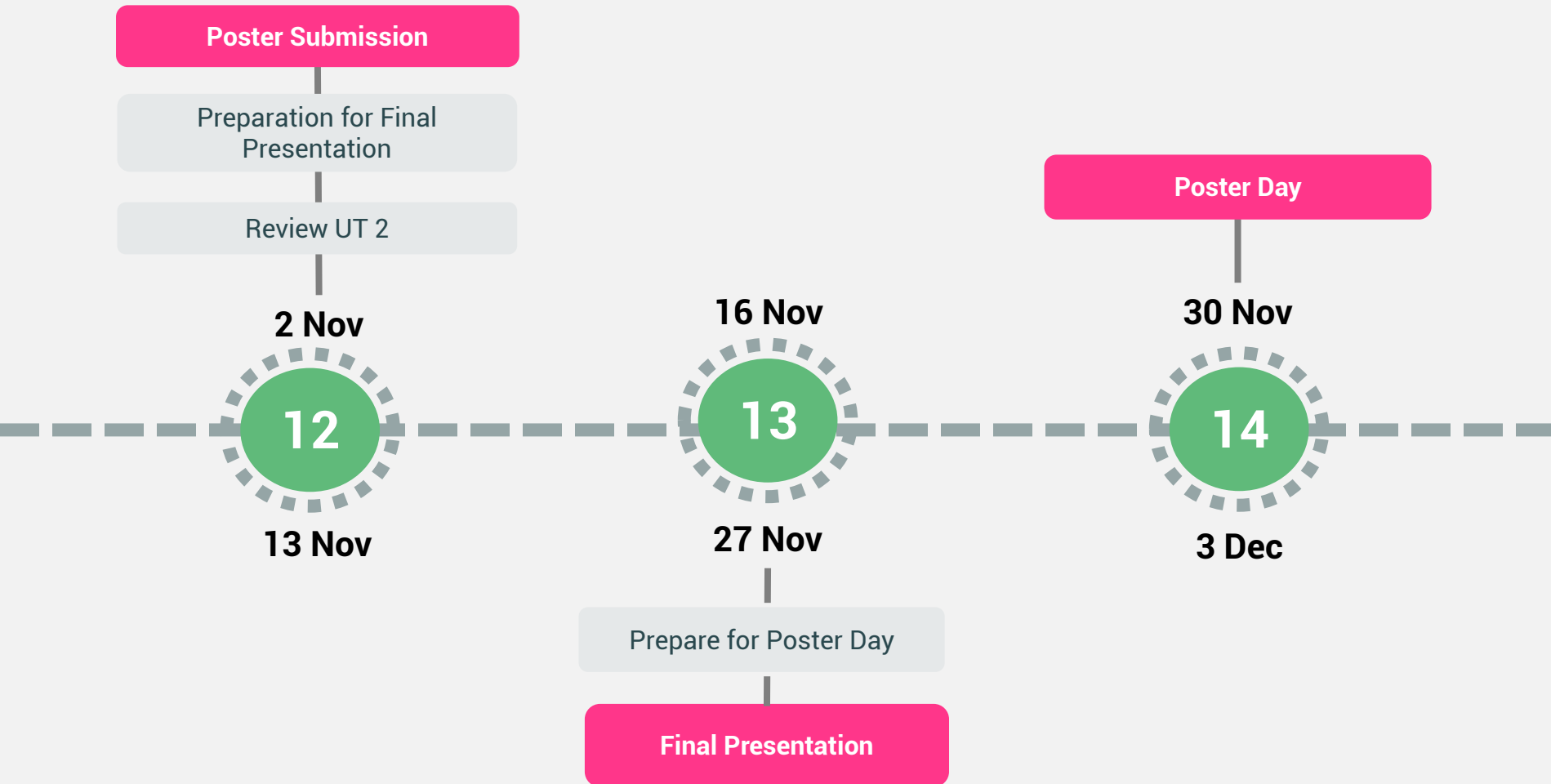
# PROJECT SCHEDULE



# PROJECT SCHEDULE



# PROJECT SCHEDULE



# METRICS

## Schedule

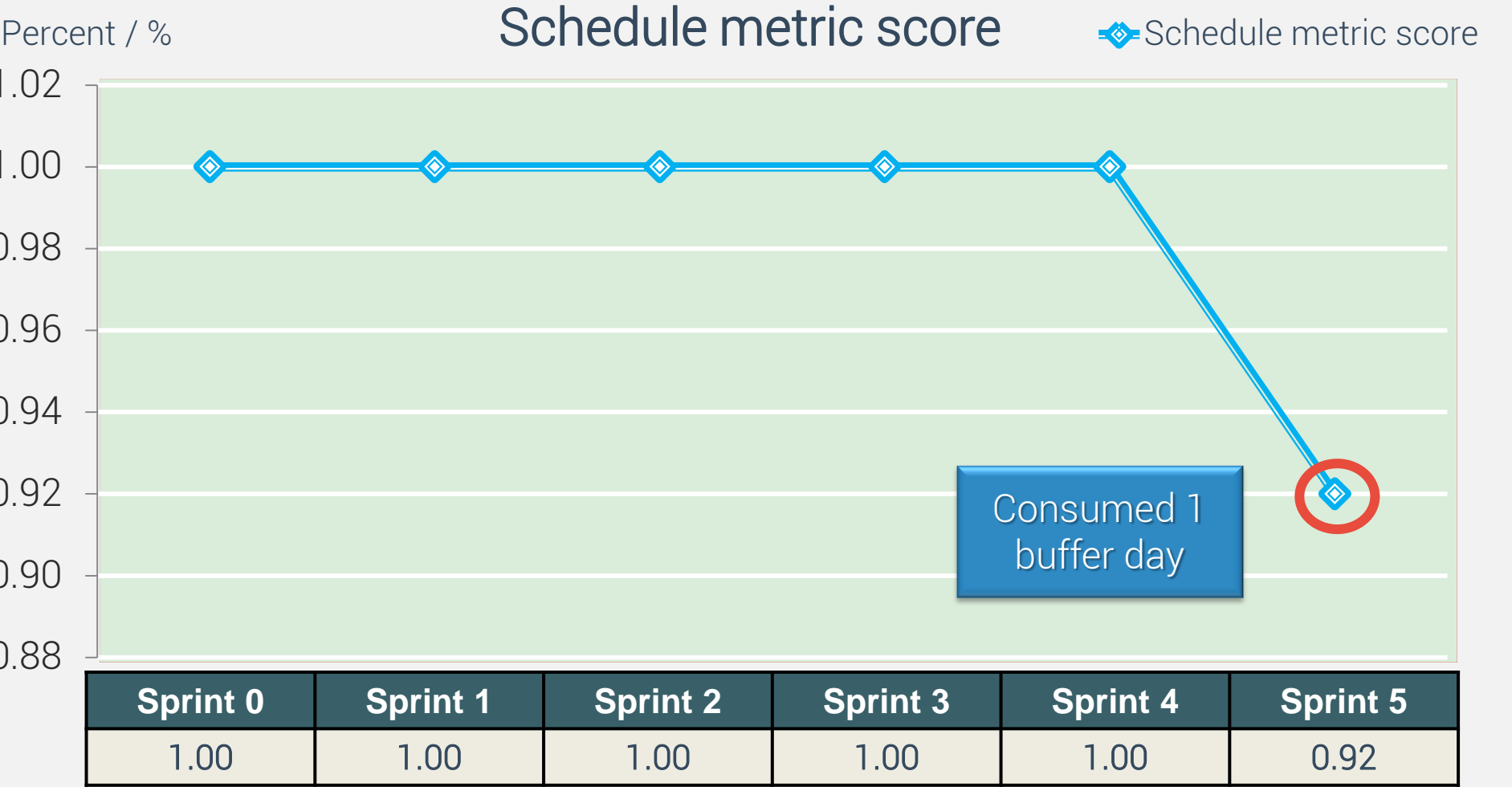
### Schedule Metric (Total Estimated Days/Total Actual Days)

Score	Action
<b>Metric &lt; 0.5</b>	<ol style="list-style-type: none"> <li>1. Inform supervisor and sponsor about the slip</li> <li>2. Investigate causes of deviation</li> <li>3. Consider shifting tasks to later sprint or dropping some of the tasks</li> <li>4. Evaluate product backlog and task breakdown for subsequent sprints. Re-estimate the time for certain tasks if needed</li> </ol>
<b>0.5 &lt; Metric &lt;= 0.9</b>	<ol style="list-style-type: none"> <li>1. Schedule incomplete tasks into buffer time</li> <li>2. Investigate causes of deviation</li> <li>3. Consider shifting back tasks to later sprint or dropping some of the tasks</li> <li>4. Evaluate product backlog and task breakdown for subsequent sprints. Re-estimate the time for certain tasks if needed</li> </ol>
<b>0.9 &lt; Metric &lt;= 1.1</b>	Our estimates are fairly accurate, and we are roughly on track
<b>1.1 &lt; Metric &lt;= 1.5</b>	<ol style="list-style-type: none"> <li>1. Allocate more time for sprint retrospective/ review meeting and testing</li> <li>2. Investigate causes of deviation</li> <li>3. Evaluate product backlog and task breakdown for subsequent sprints. Re-estimate the time for certain tasks if needed</li> </ol>
<b>Metric &gt; 1.5</b>	<ol style="list-style-type: none"> <li>1. Inform supervisor and sponsor about the slip</li> <li>2. Allocate more time for sprint retrospective/ review meeting and testing</li> <li>3. Investigate causes of deviation</li> <li>4. Evaluate product backlog and task breakdown for subsequent sprints. Re-estimate the time for certain tasks if needed</li> </ol>



# METRICS

## Schedule



# METRICS

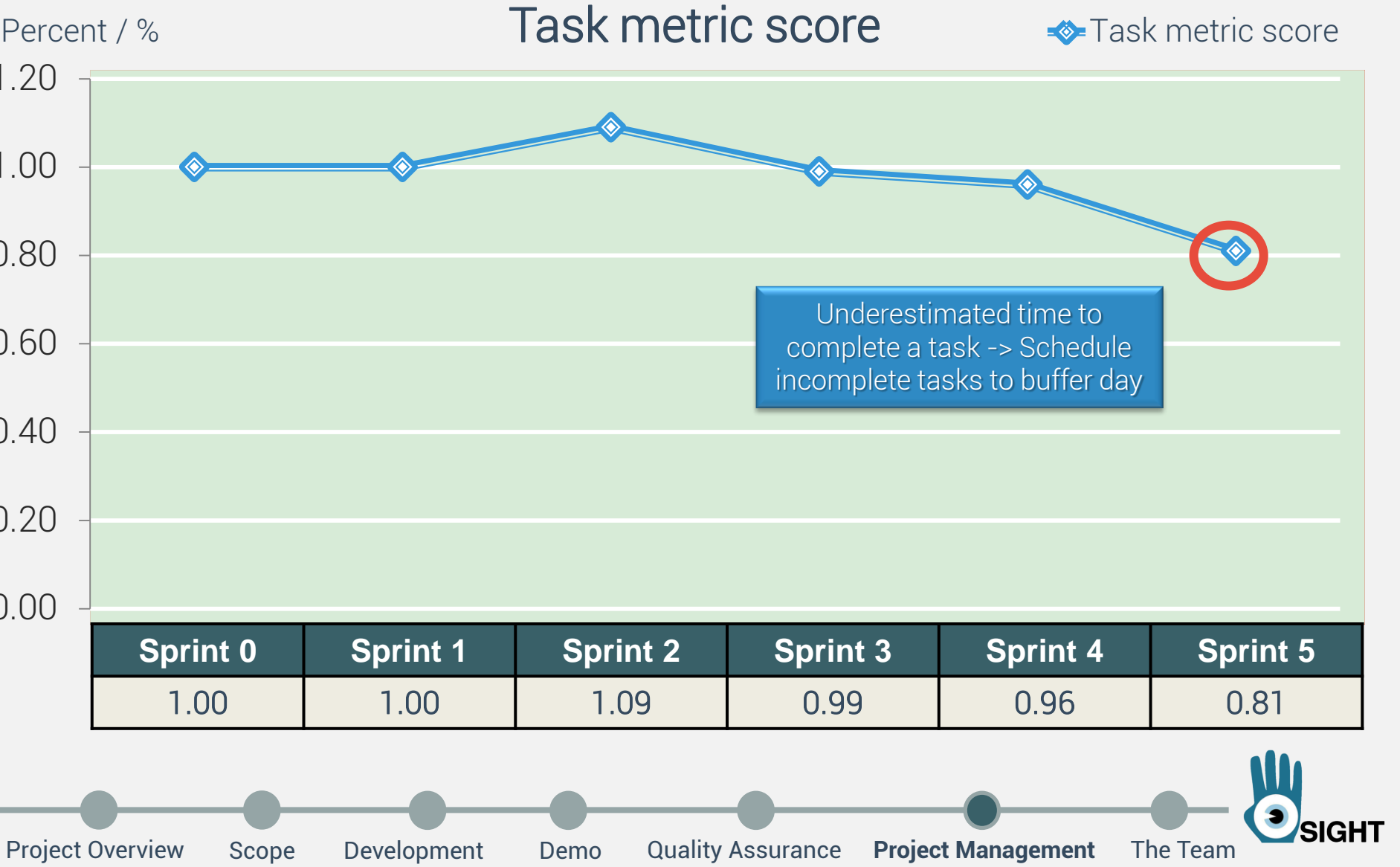
## Task

### Task Metric (Total Estimated Hours / Total Spent Hours)

Score	Action
<b>Metric &lt; 0.5</b>	<ol style="list-style-type: none"> <li>1. Inform supervisor and sponsor about the slip</li> <li>2. Investigate causes of deviation</li> <li>3. Consider shifting tasks to later sprint or dropping some of the tasks</li> <li>4. Evaluate product backlog and task breakdown for subsequent sprints. Re-estimate the time for certain tasks if needed</li> </ol>
<b>0.5 &lt; Metric &lt;= 0.9</b>	<ol style="list-style-type: none"> <li>1. Schedule incomplete tasks into buffer time</li> <li>2. Investigate causes of deviation</li> <li>3. Consider shifting back tasks to later sprint or dropping some of the tasks</li> <li>4. Evaluate product backlog and task breakdown for subsequent sprints. Re-estimate the time for certain tasks if needed</li> </ol>
<b>0.9 &lt; Metric &lt;= 1.1</b>	Our estimates are fairly accurate, and we are roughly on track
<b>1.1 &lt; Metric &lt;= 1.5</b>	<ol style="list-style-type: none"> <li>1. Allocate more time for sprint retrospective/ review meeting and testing</li> <li>2. Investigate causes of deviation</li> <li>3. Evaluate product backlog and task breakdown for subsequent sprints. Re-estimate the time for certain tasks if needed</li> </ol>
<b>Metric &gt; 1.5</b>	<ol style="list-style-type: none"> <li>1. Inform supervisor and sponsor about the slip</li> <li>2. Allocate more time for sprint retrospective/ review meeting and testing</li> <li>3. Investigate causes of deviation</li> <li>4. Evaluate product backlog and task breakdown for subsequent sprints. Re-estimate the time for certain tasks if needed</li> </ol>

# METRICS

## Task



**Bug Metric Score = Severity x Priority**

Score	Action
Metric < 100	1. Use the planned debugging time in the iteration. 2. Make use of buffer time at the end of the sprint to debug
Metric >= 100	Team has to stop all current development and resolve the bug immediately

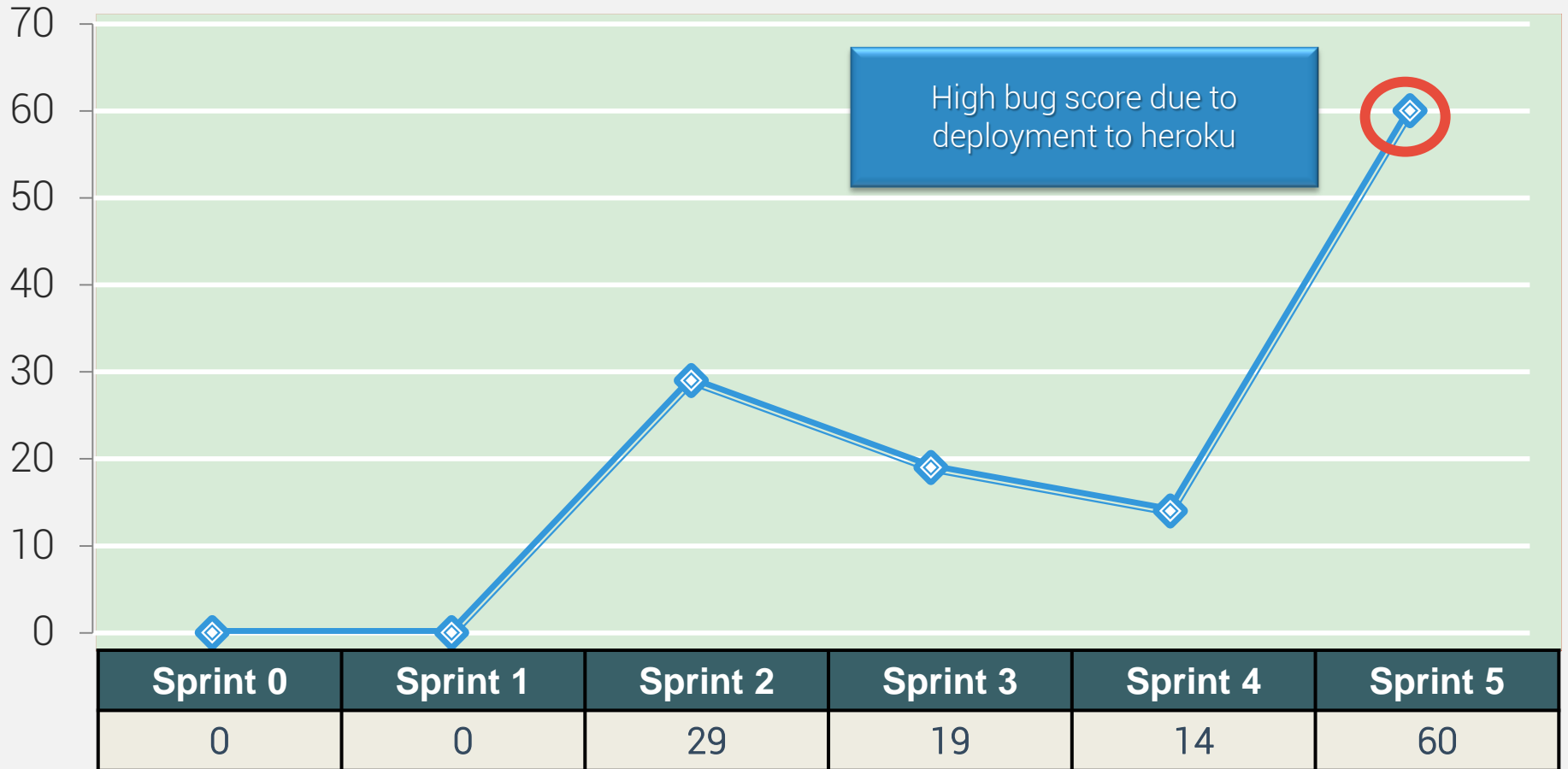


# METRICS

## Bug

Bug metric score

◆ Bug metric score



# RISK MANAGEMENT

## Risk Scale

Impact	High	None	Medium	High	High
	Medium	None	Low	Medium	High
	Low	None	Low	Low	Medium
	None	None	None	None	None
		None	Low	Medium	High
Likelihood					

- Risks categorise as **high** require urgent attention. They are high in impact level and high in probability of occurrence. Crafting of the mitigation plans have to be well analyzed and developed
- Risks categorise as **medium** require moderate attention. They have a medium impact level and occur on an occasional basis
- Risks categorise as **low** require the least attention. They have a low impact level and occasionally or rarely occur
- Risks categorise as **none** require no attention

# RISK MANAGEMENT

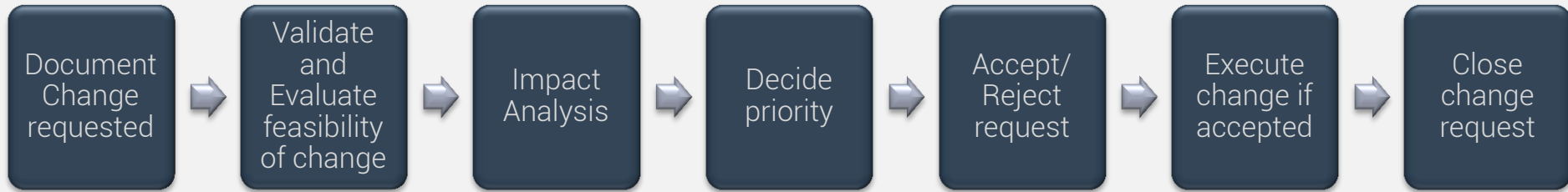
Risk Type	Risk Statement	Consequence	Likelihood	Impact	Mitigation Strategy
Technical Risk	Team member is unfamiliar with the new technologies/languages used such as: django framework, python, angularJS and C3.JS.	1. Disruption to progress  2. Unduly stress to team member	High	High	1. Team members to pick up skill as soon as possible, preferably before coding task.  2. Lead Developer to coach team member where possible.  3. Conduct group learning and sharing

# RISK MANAGEMENT

Risk Type	Risk Statement	Consequence	Likelihood	Impact	Mitigation Strategy
Project Management Risk	Insufficient users to conduct testing	Potential problem of not being able to complete a full User Testing. Data collected might not be accurate due to small user pool	High	High	Coordinate in advance with Clearvision stakeholders so that they have ample time to gather relevant users for our User Testing, such as involving nurses and optometrists from other Clearvision clinics.
Project Management Risk	Risk of scope creep as project progresses	Project schedule delays	Medium	High	<ol style="list-style-type: none"><li>1. Any proposed change request is to go through the change management process</li><li>2. Regular app demos to sponsors in order to reduce change in scope</li></ol>

# CHANGE MANAGEMENT

## The Process



Sprint	Date	Change Description	Reason of Change	Change Feasibility	Priority Index	Accept/Reject	Reason for accepting/rejecting	Action	Status
4	22/7/2015	Separate Clearvision and Mount Elizabeth appointment schedule	This would help facilitate viewing of respective clinic's schedule. In addition, it provides greater visibility of appointments of clinics which require collaboration.	Add new tabs to separate both views	3	Accept	Accepting the request would not affect the project schedule	Added a new user story into the backlog. To be scheduled in subsequent sprint.	In Progress



# THE TEAM

# LEARNING OUTCOMES



**AMABEL LAU**

Working with a client requires us to think promptly and adapt to changes. Hence, I wish to be able to better manage the project and various stakeholders expectation through exposing myself to a full project lifecycle.

As an UI developer, it requires me to dive deep into the various front end technologies, such as angular js, javascript and css. Through this learning journey, I hope to be well versed in front end development using these technologies.



**CARINA HU**

# LEARNING OUTCOMES



**LEON LIM**

I have learnt the intricacies of managing our client and any changes in the business requirements

I have learnt to prioritise my time. Given the scale of the project and the various tools utilized, I had to prioritize some of the deliverables, sometimes at the expense of others, due to dependencies. However, I'm glad we managed to pull through.



**SHERMAN YONG**



**THANK YOU!**