

Project Schedule	Owned By	Related Module	Status (% completed)	Planned		Estimated Hours	Actual		Actual Hours	
				Start Date	End Date		Start Date	End Date		
13/05/2014 ~ 19/06/2014 [38 days]										
Iteration 0 ~ preparation ~										
Requirements										
Read through Sponsor's Research Paper	All	Miscellaneous	100	15-May	17-May	5	15-May	18-May	5	Module : Database
Study existing code (provided by Sponsor)	Chun Yang, Faris, Nigel	Project Requirements	90	22-May	19-Jun	20	27-May	19-Jun	20	Simulation
Gather function requirements for application	All		100	13-May	15-May	4	24-May	24-May	4	Reports
Define project scope	All	Project Milestones	100	23-May	27-May	5	23-May	27-May	3	Project Documentation
Draft Proposal Write-up	Chunyang, Basith		100	27-May	27-May	2	27-May	27-May	2	UI Design
Final Proposal Write-up (after sponsor review)	Basith		100	11-Jun	11-Jun	1	9-Jun	10-Jun	2	Project Milestones
Design										
Low-fidelity prototype	Clarice	Project Documentation	100	3-Jun	3-Jun	3	3-Jun	4-Jun	4	Project Requirements
20/06/2014 ~ 03/07/2014 [14 days]										
Iteration 1										
Requirements										
Study existing code (provided by Sponsor)	Chun Yang, Faris, Nigel	Project Requirements	100	20-Jun	23-Jun	10	20-Jun	23-Jun	10	Module : Database
Design										
Update UI prototype	Clarice	Project Documentation	100	20-Jun	24-Jun	2	20-Jun	22-Jun	1	Simulation
Develop use case diagram	Syafi	Project Requirements	100	23-Jun	23-Jun	1	23-Jun	23-Jun	1	Reports
Design system architecture design	Chun Yang	Project Requirements	100	23-Jun	23-Jun	2	23-Jun	23-Jun	2	Project Documentation
Code										
Revise UI (based on Sponsor feedback)	Clarice	UI Design	100	23-Jun	24-Jun	5	23-Jun	24-Jun	4	UI Design
Develop Landing page	Clarice		100	24-Jun	27-Jun	4	24-Jun	28-Jun	3	Project Milestones
Develop Settings page (with validation)	Faris		100	24-Jun	27-Jun	6	24-Jun	28-Jun	5	Project Requirements
Develop Parameters page (with validation)	Syafi, Basith		100	24-Jun	27-Jun	6	24-Jun	28-Jun	5	Miscellaneous
Refactor codes for main pages (to javascript)	Chun Yang	Project Requirements	80	24-Jun	28-Jun	10	24-Jun	28-Jun	8	
Debugging	Chun Yang	Miscellaneous	100	1-Jul	3-Jul	5	1-Jul	3-Jul	5	
Integration										
Integrate three different pages	Faris, Chun Yang	Project Requirements	100	29-Jun	29-Jun	2	29-Jun	29-Jun	2	
System Test										
Test run	Syafi	Project Requirements	100	30-Jun	30-Jun	1	30-Jun	30-Jun	1	
Misc										
Research animation in applet (Oracle tutorial)	Chun Yang	Miscellaneous	100	30-Jun	30-Jun	2	30-Jun	30-Jun	2	
Learn Javascript - Basics	All		100	1-Jul	3-Jul	5	1-Jul	3-Jul	6	
Learn JQuery - Basics	All		100	1-Jul	3-Jul	3	1-Jul	3-Jul	2	
Research DOA design pattern	All		100	1-Jul	3-Jul	2	1-Jul	3-Jul	2	
Buffer Days (max. 2)										
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04/07/2014 ~ 17/07/2014 [14 days]										
Iteration 2										
Requirements										
Explore lab test decision tree model	All	Miscellaneous	100	5-Jul	6-Jul	2	5-Jul	6-Jul	2	Module : Database
Design										
Database design	Nigel	Database	100	5-Jul	7-Jul	2	5-Jul	7-Jul	2	Simulation
Reformat data file from sponsor	Chun Yang	Database	100	5-Jul	7-Jul	1	5-Jul	7-Jul	1	Reports
Draft predictive models - reports (x-factor)	Clarice, Basith, Faris, Syafi	Reports	100	5-Jul	7-Jul	2	5-Jul	7-Jul	2	Project Documentation
Code										
Refactor codes for main pages (to javascript)	Chun Yang	Project Requirements	100	7-Jul	8-Jul	2	7-Jul	7-Jul	2	UI Design
Database implementation	Nigel, Chun Yang	Database	100	8-Jul	9-Jul	5	8-Jul	8-Jul	4	Project Milestones
Develop simulation page - basic layout	Syafi, Chun Yang	Simulation	100	9-Jul	11-Jul	4	9-Jul	11-Jul	4	Project Requirements
Basic animation (using coordinates)	Chun Yang		100	11-Jul	15-Jul	8	11-Jul	15-Jul	8	Miscellaneous
Implementation of play, pause, stop feature	Syafi		90	11-Jul	15-Jul	6	11-Jul	15-Jul	6	
Debugging	Faris, Chun Yang	Project Requirements	100	15-Jul	17-Jul	8	15-Jul	17-Jul	8	
Integration										
Integrate simulation page into application	Chun Yang	Project Requirements	100	15-Jul	15-Jul	2	15-Jul	15-Jul	2	
System Test										
Test run	All	Project Requirements	100	15-Jul	15-Jul	1	15-Jul	15-Jul	1	
Buffer Days (max. 2)										
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18/07/2014 ~ 31/07/2014 [14 days]										
Iteration 3										
Code										
Implementation of pause feature	Syafi	Simulation	100	18-Jul	19-Jul	5	18-Jul	19-Jul	5	Module : Database
Implement of FIFO strategy (in javascript)	Chun Yang	Database	100	18-Jul	22-Jul	10	18-Jul	21-Jul	10	Simulation
Create read for input data	Nigel, Faris		100	18-Jul	19-Jul	4	18-Jul	19-Jul	4	Reports
Create storage for input data	Nigel, Faris		100	18-Jul	19-Jul	4	19-Jul	19-Jul	4	Project Documentation
Synchronising animation clocks	Chun Yang		100	22-Jul	23-Jul	5	21-Jul	22-Jul	5	UI Design
Debugging	All	Project Requirements	100	27-Jul	31-Jul	10	27-Jul	31-Jul	10	Project Milestones
Integration										
Use database and data file from sponsor	Nigel, Faris	Database	100	22-Jul	22-Jul	3	22-Jul	22-Jul	3	Project Requirements
Integrate FIFO strategy into simulation	Chun Yang	Simulation	100	23-Jul	25-Jul	2	22-Jul	24-Jul	2	Miscellaneous

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				Start Date	End Date		Start Date	End Date			
System Test											
Test run	All	Project Requirements	100	25-Jul	26-Jul	4	24-Jul	25-Jul	4		
Buffer Days (max. 2)											
-											
01/08/2014 ~ 14/08/2014 [14 days]											
Iteration 4											
Design											
Design user test goals	All	Miscellaneous	100	1-Aug	1-Aug	2	1-Aug	1-Aug	2	Module :	
Prepare user test document	Clarice	Project Documentation	100	2-Aug	2-Aug	4	2-Aug	2-Aug	4	Database	
Code											
Deploy application on cloud	Chun Yang	Project Requirements	100	2-Aug	2-Aug	4	2-Aug	2-Aug	4	Simulation	
Implement changes (based on user feedback)	All		100	6-Aug	8-Aug	10	6-Aug	8-Aug	8	Reports	
Debugging	Chun Yang, Faris, Nigel		100	11-Aug	13-Aug	5	11-Aug	12-Aug	4	Project Documentation	
Deploy application before acceptance	Chun Yang	Project Milestones	100	13-Aug	13-Aug	0.5	13-Aug	13-Aug	0.5	UI Design	
System Test											
Internal testing after deployment	Syafi, Basith	Project Requirements	100	9-Aug	10-Aug	2	9-Aug	10-Aug	2	Project Milestones	
User Testing 1	All	Project Milestones	100	4-Aug	4-Aug	3	4-Aug	4-Aug	4	Project Requirements	
Misc											
Evaluate user feedback	All	Miscellaneous	100	5-Aug	5-Aug	3	5-Aug	5-Aug	3	Miscellaneous	
Acceptance slides	All		100	8-Aug	13-Aug	4	8-Aug	13-Aug	4		
Acceptance video	Faris	Project Milestones	100	8-Aug	11-Aug	5	8-Aug	11-Aug	6		
Acceptance Presentation	All		100	14-Aug	14-Aug	1	14-Aug	14-Aug	1		
Buffer Days (max. 2)											
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After acceptance ... 4 Days off before Summer Break Ends!											
19/08/2014 ~ 02/09/2014 [15 days]											
Iteration 5											
Requirements											
Research on tools for data visualisation	Faris, Syafi, Clarice, Basith	Reports	100	19-Aug	21-Aug	5	19-Aug	21-Aug	5	Module :	
Confirm requirements for report module	All		100	19-Aug	19-Aug	2	19-Aug	19-Aug	2	Database	
Research on MongoDB	Nigel, Chunyang	Database	100	19-Aug	20-Aug	4	19-Aug	20-Aug	4	Simulation	
Design											
Create prototype for reports page	Clarice	Reports	100	21-Aug	21-Aug	2	21-Aug	21-Aug	2	Reports	
Code											
Change simulation to full size	Chun Yang	Simulation	100	21-Aug	21-Aug	1	21-Aug	21-Aug	1	Project Documentation	
Modify toggle bar at simulation page	Faris		100	21-Aug	21-Aug	1	21-Aug	21-Aug	1	UI Design	
Implement SCON strategy in javascript	Chun Yang		100	22-Aug	26-Aug	6	22-Aug	28-Aug	8	Project Milestones	
Implement SREM strategy in javascript	Chun Yang		20	26-Aug	29-Aug	6	26-Aug	1-Sep	4	Project Requirements	
Implement MIXED strategy in javascript	Chun Yang		0	29-Aug	30-Aug	4	29-Aug	1-Sep	0	Miscellaneous	
Implement speed control for simulation	Syafi		75	22-Aug	26-Aug	6	23-Aug	28-Aug	5		
Generate page layout for reports	Faris		Reports	100	22-Aug	23-Aug	4	22-Aug	23-Aug	4	
Database changeover (MongoDB)	Nigel		Database	100	22-Aug	28-Aug	5	22-Aug	28-Aug	5	
Debug animation error (simulation page)	Chun Yang		Simulation	90	30-Aug	2-Sep	4	30-Aug	2-Sep	5	
Debugging	All		Project Requirements	100	30-Aug	1-Sep	6	30-Aug	1-Sep	6	
Integration											
Integrate parameter data with simulation	Chun Yang	Simulation	100	29-Aug	29-Aug	1	29-Aug	29-Aug	1		
Integrate MongoDB as new database	Nigel	Database	75	29-Aug	29-Aug	3	29-Aug	29-Aug	2		
System Test											
Internal testing before iteration end	All	Project Requirements	100	29-Aug	30-Aug	2	29-Aug	30-Aug	2		
Misc											
Deploy staging environment (Jason's advice)	Clarice	Miscellaneous	100	23-Aug	25-Aug	2	24-Aug	26-Aug	2		
Buffer Days (max. 2)											
1 Day - integrate new database (MongoDB)	Nigel, Chun Yang	Database	100	30-Aug	1-Sep	5	30-Aug	2-Sep	5		
03/09/2014 ~ 15/09/2014 [13 days]											
Iteration 6											
Requirements											
Research on D3 implementations	Faris, Syafi, Clarice, Basith	Reports	100	3-Sep	5-Sep	4	3-Sep	5-Sep	4	Module :	
Research on C3 for data visualisation (final)			100	5-Sep	5-Sep	2	5-Sep	5-Sep	2	Database	
Design											
Track data needed for Length-of-Stay	Chun Yang	Reports	100	3-Sep	5-Sep	3	3-Sep	5-Sep	2	Simulation	
Track data needed for Re-Entrants	Chun Yang		100	3-Sep	5-Sep	3	3-Sep	5-Sep	4	Reports	
Change emoticons for animation	Chun Yang		100	3-Sep	3-Sep	1	3-Sep	3-Sep	1	Project Documentation	
UI changes - parameters page	Faris	Simulation	100	5-Sep	7-Sep	4	5-Sep	7-Sep	4	UI Design	
Code											
Manage simulation Speed (continue)	Syafi	Simulation	100	5-Sep	7-Sep	5	5-Sep	8-Sep	4	Project Milestones	
Implement SREM strategy in javascript	Chunyang		100	5-Sep	8-Sep	5	5-Sep	9-Sep	4	Project Requirements	
Implement MIXED strategy in javascript	Chunyang		50	8-Sep	11-Sep	5	8-Sep	9-Sep	6	Miscellaneous	
Charts for Length-Of-Stay (D3)	Syafi, Basith		100	7-Sep	11-Sep	4	7-Sep	11-Sep	4		
Charts for Re-Entrants (D3)	Faris		100	7-Sep	11-Sep	4	7-Sep	11-Sep	3		
Charts for Resource Utilisation (D3)	Clarice		Reports	100	7-Sep	9-Sep	2	7-Sep	9-Sep	4	
Charts for Starvation Index (D3)	Clarice			100	9-Sep	11-Sep	2	9-Sep	11-Sep	2	
Implement application administrator	Chunyang			100	11-Sep	11-Sep	3	11-Sep	11-Sep	3	
Develop Login interface	Nigel		Project Requirements	100	11-Sep	12-Sep	4	11-Sep	12-Sep	4	
Debugging	Chun Yang, Nigel			100	14-Sep	15-Sep	4	14-Sep	15-Sep	4	

Project Schedule	Owned By	Related Module	Status (% completed)	Planned		Estimated Hours	Actual		Actual Hours	
				Start Date	End Date		Start Date	End Date		
Integration										
Integrate charts into Reports page	Faris	Reports	100	11-Sep	12-Sep	4	11-Sep	12-Sep	4	
Deploy integrated app for testing (Friday)	Clarice	Miscellaneous	100	11-Sep	12-Sep	1	12-Sep	12-Sep	1	
System Test										
Internal testing (Sat/Sun)	All	Project Requirements	100	13-Sep	13-Sep	2	13-Sep	13-Sep	2	
Buffer Days (max. 2)										
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16/09/2014 ~ 01/10/2014 [16 days]										
Iteration 7										
Requirements										
Gather feedback from sponsor before testing with industry users	All, Sponsor	Project Requirements	100	25-Sep	25-Sep	2	25-Sep	25-Sep	2	Module : Database
Design										
Track data needed for Resource Utilisation	Chun Yang	Reports	10	24-Sep	25-Sep	2	24-Sep	25-Sep	2	Simulation
Track data needed for Starvation Index	Chun Yang	Reports	10	24-Sep	25-Sep	2	24-Sep	25-Sep	2	Reports
Prepare User Test documents	Clarice	Project Milestones	100	22-Sep	23-Sep	3	22-Sep	23-Sep	3	Project Documentation
Preparation of mid-terms slides	All (main - Faris)	Project Milestones	80	27-Sep	2-Oct	5	27-Sep	2-Oct	5	UI Design
Code										
Charts for Length-Of-Stay (C3)	Syafi, Basith	Reports	100	16-Sep	18-Sep	2	16-Sep	18-Sep	2	Project Milestones
Charts for Re-Entrants (C3)	Faris	Reports	100	16-Sep	18-Sep	2	16-Sep	18-Sep	2	Miscellaneous
Charts for Resource Utilisation (C3)	Clarice	Reports	100	16-Sep	17-Sep	2	16-Sep	17-Sep	2	
Charts for Starvation Index (C3)	Clarice	Reports	100	17-Sep	18-Sep	2	18-Sep	18-Sep	2	
Interactive information display - simulation	Chun Yang	Simulation	0	16-Sep	18-Sep	4	-	-	-	
Debug animation clock glitches	Chun Yang	Simulation	100	28-Sep	29-Sep	5	28-Sep	30-Sep	5	
Debugging	Chun Yang, Nigel	Project Requirements	100	22-Sep	23-Sep	5	22-Sep	23-Sep	5	
Integration										
Integrate charts into Reports page	Faris, Chun Yang	Project Requirements	100	19-Sep	19-Sep	2	19-Sep	19-Sep	1	
Deploy integrated app for testing 1 (Friday)	Clarice	Miscellaneous	100	19-Sep	19-Sep	1	19-Sep	19-Sep	1	
Deploy integrated app for testing 2 (Friday)	Clarice	Miscellaneous	100	26-Sep	26-Sep	1	26-Sep	26-Sep	1	
System Test										
Internal testing 1 (Sat/Sun)	All	Project Requirements	100	20-Sep	21-Sep	2	20-Sep	21-Sep	2	
Internal testing 2 (Sat/Sun)	All	Project Requirements	100	27-Sep	27-Sep	3	27-Sep	27-Sep	3	
Buffer Days (max. 2)										
User Test 2 (with industry users)	All	Project Milestones	100	29-Sep	29-Sep	4	1-Oct	1-Oct	4	
Evaluate User test results	All	Project Milestones	100	29-Sep	29-Sep	2	1-Oct	1-Oct	2	
02/10/2014 ~ 13/10/2014 [12 days]										
Iteration 8										
Requirements										
Update sponsor on users feedback (testing)	All	Project Requirements	100	2-Oct	3-Oct	3	2-Oct	3-Oct	3	Module : Database
Review mid-terms slides (with sponsor)	All	Project Milestones	100	3-Oct	3-Oct	1	3-Oct	3-Oct	1	Simulation
Update / discuss with Jason scope changes	All	Project Requirements	100	2-Oct	3-Oct	1	2-Oct	3-Oct	1	Reports
Review mid-terms slides (with supervisor)	All	Project Milestones	100	3-Oct	3-Oct	1	3-Oct	3-Oct	1.5	Project Documentation
Confirm scope changes	All	Project Requirements	100	3-Oct	3-Oct	1	3-Oct	3-Oct	1	UI Design
Reasearch on Playback function	Syafi	Simulation	0	8-Oct	9-Oct	4				Project Milestones
Design										
Prepare mid-terms slides	All (Faris main)	Project Milestones	80	4-Oct	6-Oct	4	4-Oct	4-Oct		Miscellaneous
Touch up on Wiki content for mid-terms	All (Basith main)	Project Documentation	75	4-Oct	6-Oct	5	4-Oct	4-Oct		
Change navigation flow (based on new requirements)	Clarice	UI Design	0	8-Oct	9-Oct	2				
Code										
Modify nagivation flow (no auto redirect to simulation page)	Clarice, Chun Yang	UI Design	0	10-Oct	11-Oct	5				
Implement Playback function for simulation	Syafi, Chun Yang	Simulation	0	8-Oct	10-Oct	5				
Implement charts filter by hours	Faris	Reports	0	8-Oct	10-Oct	3				
Implement dropdown list at settings page (patient treatment configuration)	Nigel	Database	0	8-Oct	10-Oct	3				
Debugging	All	Project Requirements	0	11-Oct	13-Oct	8				
Integration										
Deploy integrated app for testing 1 (Friday)	Clarice	Miscellaneous	100	3-Oct	3-Oct	1	3-Oct	3-Oct	1	
Deploy integrated app for testing 2 (Friday)	Clarice	Miscellaneous	0	10-Oct	10-Oct	1				
System Test										
Internal testing 1 (Sat/Sun)	All	Project Requirements	100	4-Oct	4-Oct	1	4-Oct	4-Oct	1	
Internal testing 2 (Sat/Sun)	All	Project Requirements	0	11-Oct	11-Oct	1				
Evaluate User test results	All	Project Requirements	100	2-Oct	2-Oct	3	2-Oct	2-Oct	3	
Mid-terms presentation	All	Project Milestones	0	7-Oct	7-Oct	1				
Mid-terms presentation (sit in another group)	All	Miscellaneous	0	9-Oct	9-Oct	1				
Misc										
Deploy (with improvements from UT) before mid-terms	Chun Yang	Miscellaneous	0	6-Oct	6-Oct	0.5				
Evaluate feedbacks after mid-terms	All	Project Milestones	0	7-Oct	7-Oct	3				
Buffer Days (max. 2)										
-										
14/10/2014 ~ 27/10/2014 [14 days]										
Iteration 9										
Requirements										
Gather sponsor feedback	All	Project Requirements	0	21-Oct	21-Oct	2				Module : Database

