

Internal Meeting - 7 Jan 2022



Meeting Minutes for 7 Jan 2022

Date:	07 Jan 2022
Time:	11:00 AM
Location:	Joshua's house
Present:	@ Ow Ling Jia @ ONG JHIN YEE _ @ Sarah Chin @ Tian Le Cheow @ Joshua Wong @ Chen Jian Yu
Absent:	NIL

Goals

Suggest the overall design of the dashboard and organise the functions that will be used in the dashboard. On top of the suggested overall design, participants present are to contribute on any improvements to the Figma template.

Agenda

No.	Agenda Item	Remarks
	Functions that are of higher priority <ul style="list-style-type: none">Functions of the dashboard have been identified in the project proposal. The team will proceed to identify which functions to focus on.	Ling Jia
	Design of the Dashboard <ul style="list-style-type: none">The team will discuss and decide how the overall look of the dashboard should look like.	Jhin Yee

Discussion topics

Agenda	Action By
Functions that are of higher priority	


<ul style="list-style-type: none"> Core functions - Data Collection, Trend Analysis, Keyword Analysis and Filtering module <ul style="list-style-type: none"> Consensus that all core functions should be developed. <ul style="list-style-type: none"> Action 1: Data Collection module requires backend to scrape historical data to allow machine learning. Need to scrape Twitter, Facebook, Youtube, Instagram and Reddit. Secondary functions - Noteworthy Comments, Complaint Identification, Analysis of online mood <ul style="list-style-type: none"> Noteworthy Comments: There is no specific definition to a noteworthy comment. Since there is no specific definition as of this meeting, the Noteworthy Comments function will be put on hold until we have more information about its definition. <ul style="list-style-type: none"> Action 2: Research more about the definition of Noteworthy Comments. Action 3: Clarify the definition with Prof Jisun. Complaint Identification: Similar to Noteworthy Comments, there is a need to understand and define what complaints are on social media. Complaint Identification will also be put on hold for now. <ul style="list-style-type: none"> Action 4: Research more about the definition of complaints online. Analysis of online mood: As defined previously in the proposal, analysis of online mood refers to the stress levels and toxicity of users online. This is to allow us to match and understand how users feel about a certain topic online. Tertiary functions - Regional analysis <ul style="list-style-type: none"> The team initially wanted to further breakdown the sentiment into different regions of Singapore. However, the team agreed that it might be difficult to set a location to every comment that has been collected. Therefore, the Regional Analysis module has been put on hold. Good-to-have functions - Image to text module <ul style="list-style-type: none"> The team believed that this function is more applicable for Instagram, whereby information can be found on the images itself. However, the team concluded that most of the information on the images will be reiterated on the caption. Hence, unless it is necessary to use this module, the team has decided to put this module on hold. 	<p>Action 1: Joshua, Jian Yu, Tian Le, Sarah</p> <p>Action 2: Jhin Yee, Sarah</p> <p>Action 3: Ling Jia</p> <p>Action 4: Jhin Yee</p>
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Design of the Dashboard

<p>The team has settled on Trending Topics, Trend Analysis, Top Keywords, Keyword Analysis, Noteworthy Comments and Complaints to be featured on the main dashboard. In addition, we will also have a social media feed feature available on the dashboard.</p> <ul style="list-style-type: none"> Trending Topics <ul style="list-style-type: none"> Clicking on the component itself will not do anything Clicking on one of the trending topics will redirect the user to a new page with query being the clicked topic <ul style="list-style-type: none"> The search bar will show clicked topic Layout of dashboard will change to include raw comments related to the topic --> same for when a query is entered manually Top comments tab is separate (not linked to any component): will show the top comments for each trending topic as shown on main dashboard The team plans on using NER to find the relevant topics, rank by frequency of posts that contain the NER Action 5: Design Trending Topics component on main dashboard Trend Analysis <ul style="list-style-type: none"> Concerns about aggregating data from multiple data sources and equating them such that they are visualised on the same graph; Plans on editing the template in the future Figma: Create the following Trend Analysis graphs <ul style="list-style-type: none"> Sentiment Platform Sentiment + Platform Action 6: Create the graphs Top Keywords <ul style="list-style-type: none"> Considered colouring the keywords based on the sentiment; green means positive, yellow means neutral and red means negative However, colouring based on sentiment may be difficult from the NLP stand point <ul style="list-style-type: none"> If unable to colour based on sentiment, we will not show the sentiment Jian Yu's comment: What data is the word cloud based on? Considering a slow animation when a keyword is hovered over to indicate that it can be clicked 	<p>Action 5: Jhin Yee</p> <p>Action 6: Jhin Yee, Sarah</p>
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:note: Meeting Notes - Updates

Update	Risk Level	Mitigation Plan
NIL		

 Administrative Matters

Date of Next Meeting:	15 Jan 2022
Time of Next Meeting:	 11:00AM