

Name	Student ID	Role	Assigned Task	Status (In progress / pending revision / completed)	Time Taken (hours)	Completion rate (%)
Morad Abou Shadi	29799260	RTE, Scrum Master	Functionality to display error message when invalid input given	Completed	2	100%
			Researched text-to-speech API	Completed	1	100%
			text-to-speech spike on local computer	Completed	3	100%
			Implemented text-to-speech in chatbot	Completed	3	100%
			text-to-speech testing	Completed	1	100%
			Handover doc	Completed	1.5	100%
Chia Yong Peng	29938120	Project Owner	Refactor likert-scale.js; Implement resuming for subquestions	Completed	2.5	100%
			Implement language selection/menu features on the old chatbot dashboard	Completed	1.5	100%
			Research on voice inputs	Completed	4	100%
			Spiking voice inputs	Completed	3.5	100%
			Project Maintenance Plan (Plans for Production)	Completed	3.5	100%
			Slides for Presentation (Challenges)	Completed	2	100%
Daniel Yuen	30519357	System Architect	Chatbot Admin Dashboard redesign, functionality transfer from questions_responses.html and bug fix	Completed	7.5	100%
			Speech-to-Text research and spike	Completed	6.5	100%
			Speech-to-Text UI	Completed	2.5	100%
			User Guide	Completed	2.5	100%
			Presentation slides	Completed	1	100%
Ti Jia Yao	29276160	RTE	Function to allow admins to download responses from Firebase in a CSV file	Completed	6	100%
			Bug fixes for restarting survey	Completed	2	100%
			Slides for Presentation	Completed	1	100%
			Handover documents	Completed	2	100%
			User Guide	Completed	1	100%
Kelvin Kong Kai Wen	30861586	Project Manager	Add closing messages and it's logic for the survey and record it's responses	Completed	2	100%
			Adjust error message displayed for numeric and text based questions.	Completed	0.5	100%
			Added translation for short and long version of the Explanatory statement.	Completed	2	100%
			Added Text-to-speech button to each question bubble on chat log and add a home button to the chat	Completed	1	100%
			Added feature to allow users to answer MCQs using textbox and take textbox input for "other" option	Completed	1	100%
			Fixed bugs involving the chatbot and apply changes for the chatbot that the clients bring up.	Completed	4	100%
			Work on presentation slides for end of PI4 presentation and represent Team404 in the presentation.	Completed	1	100%
			Created maintenance section of the "maintenance plan summary" document for team 404.	Completed	2	100%
Name	Project Increment 4 total time (Hrs)					
Kelvin Kong Kai Wen	13.5					
Morad Abou Shadi	11.5					
Chia Yong Peng	16.5					
Daniel Yuen	20					
Ti Jia Yao	12					

TimeSheet										
Name	Assigned Role	Project Increment	Date	Feature(s) Involved / User story	Sub task	Start time	End time	Break (if any)	Total time spent	Was able to finish [Y/N]
Chia Yong Peng	Project Owner		9/9/21	Refactor likert-scale.js; Implement resuming for subquestions (chatbot-init.js, response-storage.js, first	Decrease the number of lines of likert-scale.js by 50%; Redesign the users branch to store more question data to allow for subquestion resuming; Remove unnecessary console logs and import statements; Fix abnormal scrolling behavior when resuming	20:30	23:00	None	2 hours 30 mins	Y
Kelvin Kong Kai Wen	Project Manager		9/9/21	Add closing messages to the end of the chatbot after the user finishes the survey.	Have the survey display 3 types of closing messages; asking user for participation in future research; link to cash reward for survey participants and links to go to other parts of the app.	17:00	19:00	None	2 hours	Y
Daniel Yuen	System Architect		21/9/21	Research on implementing Google's Speech-to-Text API	Looked into Google's Text-to-Speech API sample implementations and requirements	21:00	22:30	None	1 hour 30 mins	Y
Daniel Yuen	System Architect		22/9/21	Worked on Speech-to-Text spike	Researched and debugged various issues and requirements required to develop a Speech-to-Text spike	14:00	20:00	15:00 - 18:00	3 hours	Y
Daniel Yuen	System Architect		23/9/21	Completed Speech-to-Text spike	Experimented and completed a working Speech-to-Text spike	15:00	17:00	None	2 hours	Y
Ti Jia Yao	RTE		24/9/21	Download responses in Firebase in a CSV file	Research on querying syntax for Firebase	21:00	22:00	None	1 hour	Y
Chia Yong Peng	Project Owner		24/9/21	Implement language selection and menu navigation features for questions-responses.html (questions-responses.html, questions_responses.js, questions-responses-ui.js)	Resolve errors from incomplete refactoring when implementing language branches; Implement language selection pane using existing UI components; Rewrite existing UI code to allow navigation to language selection pane; Rewrite existing UI code to display appropriate labels when retrieving languages and when switching between different panes.	20:50	22:20	None	1 hour 30 mins	Y

Chia Yong Peng	Project Owner
Daniel Yuen	System Architect
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Ti Jia Yao	RTE
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Ti Jia Yao	RTE
Kelvin Kong Kai Wen	Project Manager
Morad Abou Shadi	Scrum Master, RTE
Kelvin Kong Kai Wen	Project Manager
Ti Jia Yao	RTE
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Daniel Yuen	System Architect
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Daniel Yuen	System Architect
Chia Yong Peng	Project Owner
Daniel Yuen	System Architect

Project Increment: 4

25/9/21	Research on capturing streaming audio, cloud functions and usage of text-to-speech APIs (IBM Watson & Google Cloud)	Read up on materials regarding the implementation/deployment/usage of cloud functions (with Firebase); Read up on/experimented with materials describing the usage of text-to-speech APIs for streaming and non-streaming audio; Read up on ways to capture audio through the browser	16:44	19:14	None	2 hours 30 mins	Y
25/9/21	Chatbot Admin Dashboard for questions and responses	Redesigned a new template for the chatbot admin dashboard following the template provided by the other teams, created chatbot_dashboard.html	21:00	22:30	None	1 hour 30 mins	Y
26/9/21	Chatbot Admin Dashboard for questions and responses	Completed redesign of chatbot admin dashboard, fixed new questions_responses.js to work with new Firebase questions format (different languages), migrated previous JS functionality from existing questions_responses.js to chatbot_dashboard.js	11:30	15:30	13:00 - 14:00	3 hours	Y
26/9/21	Research on capturing streaming audio, cloud functions and usage of Google Cloud's text-to-speech API	Research on ways to deploy executables on Google's cloud platform; Research on ways to deploy/call cloud functions; Research on ways to capture browser audio	15:30	17:00	None	1 hour 30 mins	Y
27/9/21	Download responses in Firebase in a CSV file	Extracted questions and questions number for all long questions and normal questions in Firebase	20:00	22:00	None	2 hours	Y
28/9/21	Create a mock-up UI for capturing audio, modify project files to enable cloud functions usage/deployment	Create and integrate a mock-up UI for recording and transcribing audio from the user; Implement cloud functions into the spike by reinitializing project files and writing a skeleton getTranscript cloud function; Started on ffmpeg conversion for the blob.	12:30	16:00	None	3 hours 30 mins	Y
28/9/21	Download responses in Firebase in a CSV file	Extracted Responses for each question, across all languages	20:00	23:00	None	3 hours	Y
29/9/21	Adjust error message displayed for numeric and text based questions and likert scale. Also, changed opening message to be more informative.	Prevent google translate from changing the likert scale contents. Fixed a translation for the malay translation of the likert scale and made sure that the error messages will disappear when the user moved on to a different question. Changed opening message of the survey to be informative to the user on how their survey attempt will work.	15:00	15:30	None	30 mins	Y
10/10/21	Research how to implement text-to-speech	Done some reading on text-to-speech and planned a spike	13:00	14:00	None	1 hour	Y
11/10/21	Added uploader files for non-english translations of the Explanatory statements for both small and for added feature for explanatory statement page to change to appropriate translations of the explanatory depending on the user's selected language. Also, updated the hints of the numeric questions, reupload onto the firestore database and update the closing messages and implement a continue function for may come back to the future research question.	Create uploader files for all non-english translation of the explanatory statement for both long and short versions and uploading the explanatory statements onto the firestore database. Updated the hints for numeric questions an reupload the survey questions onto the firestore database. Update closing message wording for future research question and implemented a function to allow users to continue answering the future research question should they want to get back to it in a later time.	14:00 20:00	15:30 21:00	15:30 - 20:00	2 hours 30 min	Y
11/10/21	Download responses in Firebase in a CSV file	Change up format of CSV file to include user, language and better list responses in an alphabetical manner	21:00	23:00	None	2 hours	Y
13/10/21	Have a home icon on the top right corner of the chatbot page to go to home page.	Added home icon to top right corner of the chatbot page and made it change the page to the home page when its clicked on.	22:00	23:00	None	1 hour	Y
13/10/21	started working on text-to-speech spike	worked on text-to-speech spike to get a better understanding of how the API works and how to implement into the system	15:00	18:00	None	3 hours	Y
14/10/21	Added text to speech icon as a button to every question bubble the chatbot will display.	added the text to speech icon as a button to each question bubble	13:00	14:00	None	1 hour	Y
17/10/21	Implemented text-to-speech into chatbot + testing	Added text-to-speech in chatbot to read out the questions	18:00	21:00	None	3 hours	Y
18/10/21	Updated UI for Speech-to-Text	Added Speech-to-Text icon, created UI for listening to voice inputs	13:30	16:00	None	2 hour 30 minute	Y
19/10/21	Fixed UI bugs for chatbot_dashboard.html, added functionality	Fixed spinner issue, added language changing functionality and added responsive design for smaller screens	19:00	23:30	19:30 - 20:00, 21:00 - 23:00	2 hours	Y
19/10/21	Bug fixes for restarting survey	Delete previous response stored in response branch as soon as user presses restart	21:00	23:00	None	2 hour	Y
19/20/21	Fixed bug where wrong question IDs are stored in the user response object that are being uploaded	Fixed saveResponse function to get the proper question ID and sub question ID of questions answered by user to be entered in the user response object to be stored on firebase.	21:00	23:30	None	2:30 hours	Y
20/10/21	User guide	Added outline of section headings and descriptions for User Guide	00:00	00:30	None	30 minutes	Y
20/10/21	User guide	Add screenshots and description for user guide; mcq, starting survey, types of questions to be answered, etc.	00:00	01:00	None	1 hour	Y
21/10/21	User guide	Added additional screenshots for certain sections, added and restructured descriptions and proofread sections	01:30	03:30	None	2 hours	Y
21/10/21	Outline for Plans for Production	Written an outline for the Plans for Production part of the Project Maintenance Plan, which contains ~1000 words in total.	17:00	19:00	None	2 hours	Y
21/10/21	Chatbot Admin Dashboard for questions and responses	Moved CSV button to general admin dashboard, various small bug-fixes for chatbot dashboard	22:30	23:30	None	1 hour	Y

Daniel Yuen	System Architect	21/10/21	Slides for presentation	Completed P14 roadmap slide	11:30	00:30	None	1 hour	Y
Kelvin Kong Kai Wen	Project Manager	21/10/21	Slides for presentation	Completed UAT comment slide and check through slides for team 404	11:20	00:00	None	40 min	Y
Ti Jia Yao	RTE	21/10/21	Slides for presentation	Add screenshots and slides for presentation	21:30	22:30	None	1 hour	Y
Chia Yong Peng	Project Owner	21/10/21	Plans for Production	Written parts from the Plans for Production outline into both general and chatbot-specific parts of the Project Maintenance Plan. ~1200 words.	21:30	23:00	None	1 hour 30 minute	Y
Chia Yong Peng	Project Owner	21/10/21	Slides for presentation	Made slides for the "Challenges" part. ~4-6 minutes worth of content. Also recorded a mock presentation for the presenter (Kelvin).	23:00	01:30	None	2 hours	Y
Kelvin Kong Kai Wen	Project Manager	22/10/21	Present for team 404 for the "End of P14 presentation"	Presented for team 404 in class explaining the summary of the P14 for our team and demonstrating our chatbot and it's admin dashboard.	17:00	17:20	None	20 min	Y
Kelvin Kong Kai Wen	Project Manager	22/10/21	Maintenance section of team 404's part of the Maintenance Plan Summary document	Wrote about the parts of the firebase that involves the chatbot that needs maintenance and how to maintain them. (updating and uploading process of explanatory statements and survey questions)	16:00	17:00	None	2 hour	Y
Ti Jia Yao	RTE	22/10/21	Handover documents	Add screenshots and slides for presentation	00:00	02:00	None	2 hours	Y
Morad Abou Shadi	Scrum Master, RTE	23/10/21	Handover document	Populated versioning for chatbot and attribute tables in firebase section	18:00	19:30	None	1.5 hours	Y