CMPT 475/982 Spring 2022

Assignment 2

Top 10 user stories

Tasks are created according to XP

ID	User Story	Estimate (Days)
1	As a virtual meeting attendee, I want to see the job title of every attendee in the organization. • Gather all the job titles and individual profiles in the organization. 1.5 days • Create a database of profiles and titles. 0.5 days • Match the job title with the correct individual. 1.5 days • Create a UI design to show the title next to the respective individual. 0.5 days • Coding 2.5 days • Debugging and testing 3 days • Revisit the requirements for validity and conduct acceptance test 1 days • Integrate with software 0.5 days	11 days
2.	As a virtual meeting attendee, I'd like a personalized avatar. • Gather all the avatar features like clothes, hair styles, skins, etc. 1 day • Make the avatar customizable. 1 days • Make Avatar icon option available in software menu for selection. 1 days • Coding 2 days • Debugging and testing 3 days • Revisit the requirements for validity and conduct acceptance test 1.5 days • Integrate with software 0.5 days	10 days
3.	As a virtual meeting attendee, I'd like only one person must be allowed to speak at a time to avoid voice overlap. • Check for status of attendee mic and voice input. 0.5 days • Block other participants' mic when one is	11 days

	already speaking. 1.5 days • Unblock mic option and make open for selection when no one is speaking 1.5 days • Coding 3 days • Debugging and testing 3 days • Revisit the requirements for validity and conduct acceptance test 1 days • Integrate with software 0.5 days	
4.	As a virtual meeting attendee, I'd like a whisper feature to speak to the attendee next to me without interrupting the meeting. • Gather voice input, reduce the decibel level and propagation range. 2 days • Block other participants' speakers so no noise escapes. 2 days • Enable voice to reach the selected participant through their speakers for privacy. 1.5 days • Make icon option available in software menu for selection 0.5 days • Coding 2.5 days • Debugging and testing 3 days • Revisit the requirements for validity and conduct acceptance test 1 days • Integrate with software 0.5 days	13 days
5.	As a virtual meeting attendee, I'd like environment set up and re-naming options. • Gather different room themes. 1 days • Create a list of themes for selection with name customization options 1 days • Match the item in the list with the respective theme. 0.5 days • Setting the background on selection 0.5 days • Coding 1.5 days • Debugging and testing 2 days • Revisit the requirements for validity and conduct acceptance test 1 days • Integrate with software 0.5 days	8 days
6.	As a virtual meeting attendee, I'd like "Assign Host", "record meeting" and "allow attendees to record" options for the host. • Make a menu list for the host. 0.5 days • Add the names of the requested abilities in the list. 0.5 days • Save the recorded file in the software. 1 days	

	• Coding 1 days • Match the feature functionality with the corresponding item name in the list. 0.5 days • Debugging and testing 1 days • Revisit the requirements for validity and conduct acceptance test 1 days • Integrate with software 0.5 days	6 days
7.	As a virtual meeting host, I'd like to have the ability to mute/unmute everyone/anyone at any time. • Identify the voice input, even if several at a time, and block the mics of the attendees speaking. 0.5 days • Make a mute all button that by default blocks all mics except that of host. 0.5 days • Make an unmute all button that by default unblocks all mics except that of host. 0.5 days • Make unmute button to unblock the mics of the selected individual. 0.5 days • Make a menu list for the host. 0.5 days • Coding 2 days • Debugging and testing 3 days • Revisit the requirements for validity and conduct acceptance test 1 days • Integrate with software 0.5 days	9 days
8.	As a virtual meeting attendee, if I get kicked out of the meeting due to network issues, then all attendees should be notified in form of network error icon next to my avatar. • Gather network strength and update status. 1.5 days • Create a pop-up message indicating attendee's absence as soon as the meeting is left. 0.5 days • Make a personal message and send to the host indicating the network issue. 0.5 days • Create a UI design to show the icon next to the faded avatar. 1 days • Coding. 1.5 days • Debugging and testing. 3 days • Revisit the requirements for validity and conduct acceptance test. 1.5 days • Integrate with software. 1.5 days	11 days

9.	As a virtual meeting attendee, I'd like interactive illustration tools like white board and polling features. - Gather all the productivity tools. 1.5 days - Check for software updates and compatibility. 3 days - Install these tools in some theme rooms like the board room, discussion room, etc. 1.5 days - Create different UI icons to show different tools. 0.5 days - Coding 2.5 days - Debugging and testing 3 days - Revisit the requirements for validity and conduct acceptance test 2 days - Integrate with software 2 days	16 days
10.	As a virtual meeting attendee, I'd like security options before joining the meeting so no strangers can join. - Create a mandatory form upon clicking the meeting link asking for unique organization ID and member name, designation. 1.5 days - Submit a list to host of the participants joining via the link provided. 1 days - Verify the individual by voice recognition that also checks if their system audio input is working. 2.5 days - Check and update the signal strength status and allow the user to enter the meeting. 1.5 days - Coding 3 days - Debugging and testing 3.5 days - Revisit the requirements for validity and conduct acceptance test 2 days - Integrate with software 3 days	18 days

d) Average relative error ([|actual value - measured value|/ actual value]*100) for user stories-

1. 57.14%
2. 40%
3. 21%
4. 38.09%
5. 61.90%
6. 57.14%
7. 28.57%
8. 47.61%
9. 23.80%
10. 28.57%