CMPT 275

Features Fulfillment

By Team X

Project Group #10

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Revision History

Revision	Status	Date	By
1.0	Template creation	November 20th, 2017	Jerry
1.1	Addition of table 1	November 22th, 2017	All
1.2	Addition of table 2	November 22th, 2017	All
1.3	Final Detailing	November 30th, 2017	All

Table 1: Revision History

Table 2: Feature Summary and Delivery Schedule

Features Listed in proposal	Version 1		Version 2		Version 3		Comments
	Original Plan	Delivered on	Original Plan	Delivered on	Original Plan	Delivered on	
1. GUI							
1.1 Initial UI Design/Navigation	X	21-10-2017					On Schedule
1.2 Login page	X	21-10-2017					On Schedule
1.3 Account creation page	X	21-10-2017					On Schedule
1.4 Gameplay Page	X	21-10-2017					On Schedule
1.5 Question Images for gameplay	X	21-10-2017					On Schedule
1.6 Add user created question page			X	11-11-2017			On Schedule
1.7 User question manager page			X	12-11-2017			On Schedule
1.8 Question Bank gameplay page			X	13-11-2017			On Schedule
1.9 Asset Development (Logo, pictures)			X	10-11-2017			On Schedule
1.10 UI improvement + animation					X	21-11-2017	On Schedule
2. User Authentication							
2.1 Basic user email Authentication	X	27-10-2017					On Schedule
2.2 User credential creation	X	27-10-2017					On Schedule
2.2 Authentication link with database	X	27-10-2017					On Schedule
2.3 User Progress removal					X	21-11-2017	On Schedule
2.4 User information edit option					X	21-11-2017	On Schedule
3. Database Integration - Firebase SDK							
3.1 Store user info to database	X	27-10-2017					On Schedule
3.2 Load user info from database	X	27-10-2017					On Schedule
3.3 Store gameplay progress to database	X	28-10-2017					On Schedule
3.4 Load gameplay progress from database	X	28-10-2018					On Schedule
3.5 Store user made question to database (Image storage)			X	12-11-2017			On Schedule
3.6 Load user made question from database (Image storage retrieval)			X	13-11-2017			On Schedule
3.7 Load global questions from all user			X	16-11-2017			Complete
4. Gameplay							
4.1 Core gameplay design	X	29-10-2018					On Schedule
4.2 Question Bank gameplay			X	13-11-2017			On Schedule
4.3 Emotion SDK gameplay					X	24-11-2017	On Schedule
4.4 Global shared playlist gameplay (User created questions)			X	16-11-2017			Complete
5. Data Model							
5.1 User model implementation	X	27-10-2017					On Schedule

5.2 User progress model implementation	X	27-10-2017					On Schedule
5.3 Question model implementation	X	27-10-2017					On Schedule
5.1 User model unit test	X	03-11-2017					On Schedule
5.2 User progress model unit test	X	03-11-2017					On Schedule
5.3 Question model unit testing	X	03-11-2017					On Schedule
5.4 Version 2 Model improvement (Additional members/functions)			X	10-11-2017			On Schedule
5.5 Version 3 Model improvement (Additional members/functions)					X	21-11-2017	On Schedule
6. Custom Question Maker							
6.1 User generated prompts and emotion selection			X	12-11-2017			On Schedule
6.2 Camera integration (upload image to question mark)			X	12-11-2017			On Schedule
6.3 Photo Gallery integration (upload image to question mark)			X	12-11-2017			On Schedule
6.4 Question Bank create questions			X	16-11-2017			On Schedule
6.5 Question Bank edit questions (Delete Complete)			X	16-11-2017			On Schedule
6.5 Question Bank Sharing (Global Playlist)			X	16-11-2017			Complete
7. Tutorial							
7.1 V1 Gameplay tutorial	X	03-11-2017					On Schedule
7.2 V2 custom questions tutorial			X	17-11-2017			On Schedule
7.3 V3 Facial Fun questions tutorial					X	24-11-2017	On Schedule
8. Additional Unplanned Features							
8.1 Text to speech (Narrator)							Removed
8.2 Global statistic analyzer (Web portal)					X	27-11-2017	On Schedule
8.3 Local statistic analyzer					X	23-11-2017	On Schedule

Table 3: Fulfillment of Requirements

CMPT 275 Project Requirement	Fulfillment of requirement?	Justification of fulfillment and explanation
Data Input: Mechanism of input, manual or read a dataset from a file, or from a web site (e.g. User entered data, data from other sensors, RSS feeds)	[ ] No [X] Yes	- Touch Input from user - Image input from user - User account data input from database - Image data input from database
Archiving: Some of the information will be saved in an archive form. For example: SQL database (e.g., mySQL), flat file, or an online data storage (search the Web)	[ ] No [X] Yes	- User account information is archived in online database (Firebase) - Custom question images and information is archived in online database (Firebase)
Analysis: The application will in some way perform analysis function to the data collected. For example, data search (discovering specific services/products among those available), sorting, regression analysis, other statistical analysis, etc.	[ ] No [X] Yes	- Incorrect selection count is measured and statistically analyzed - Progression is measured as percentage - Usage time is measured by firebase database
Display: Visualization of the analysis results (perhaps using graphs and charts.)	[ ] No [X] Yes	- Bar charts to display local user statistics such as incorrect selection counter - Bar chart to display global statistics on web browser
Network components: The system must have components that are accessible over the Web, using a web browser or a specialized application client (e.g. Wi-Fi and cellular network connectivity)	[ ] No [X] Yes	- Wi-Fi usage for Firebase database communication - User authentication - User account creation - Global Playlist
Mobile feature: Utilizing at least one feature of the particular mobile platform (in additional to Wi-Fi and cellular network connectivity), for example: accelerometer, GPS location, camera, video recording, etc.	[ ] No [X] Yes	- Camera used for upload images - Live camera stream used for Affectiva emotion recognition SDK