CSCI 4176 & CSCI 5708
Mobile Computing

DALHOUSIE UNIVERSITY
FACULTY OF COMPUTER SCIENCE

Project Update Form 2

Due: In Lab on Wednesday November 21st 2018

NUMBER _5_

1. Participation (Grey Columns Filled in by TA):

	Name (Print) Adjust		Banner Number	OK?	Git Data	Comments
1.		Jigar Joshi	B00812722			
2.		Shivani Desai	B00799169			
3.		Bola Okesanjo	B00786268			
4.		Vivek Shah	B00799155			
5.		Ryan Stevens	B00695460			

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2. Progress Report

2.1. Progress on pages / intents

All the group members have started working on their assigned pages and generally almost half of the application has been completed.

Create Media (Shivani) - 50%

The UI for the page is completed. The URL for the API needs to be added to store the data entered by the user into the database.

Media Info (Vivek) - 50%

User Interface of the page is completed. The data stored for the user needs to be displayed when APIs will be added. 50%

Booyah Screen (**Ryan**)- 50%

Controller is mostly functional, but progress on the UI is blocked by lack of theming elements.

Reports (**Jigar**)- 60%

The multiple bar chart is developed to show the media ratings based on the user's inputs. The link of this page is given on the home page. This chart requires horizontal scrolling as chart might be longer than the width of the device screen. Currently, report can be viewed with dummy data provided.

To show the chart with correct data, API integration is required which will be finished once the API is configured properly.

Detect Media (Bola) - 50%

The page design for the application is complete as seen in figure 2 of Appendix A. The audio sampling functionality is complete. What is left are the requests to the API and the search page.

2.2. Individual contributions

Ryan's main focus since update 1 has been setting up the view and controller for the BooYah rating sessions. Limited experience with Android UI implementation has caused him to be slow in this. Ryan has also continued to contribute to discussion involving recent UX changes and how interaction with the server will work.

Since update 1, Jigar started working on the "Reports" page and configuring API on local machine. Due to time constraint, his main focus has been on generating charts. As seen in Figure 1 of Appendix A, he has developed the reports page with dummy data.

Shivani has worked on the UI design and implementation of enabling users to add media and store the information to the database. She has also contributed to the meetings for discussions regarding changes in the User Interface design and modifications in the functionalities of the application.

Vivek's main work for this update has been to build the media_info page to display the information of the media and smaller previews of the user-generated rating graphs. He has also been working on the "terms and condition page" in the about section.Vivek has also worked in contributing to meetings and discussions for changes in the implementations of the application.

Bola's main contribution for the update is the android implementation and design of the detect media page, as well as the completion and hosting of the API service. Bola will finish the media search functionality, as well as the android REST calls to the API to detect media.

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3. Identification of Problems

List any problems and status; e.g., solved, not solved.

A. Inexperience with Android UI implementation

At least one group member has found themselves hesitant to implement pieces of the User Interface because they feel they do not have the skills to make it look "good". This is due to a lack of knowledge on how to create good-looking shapes and a lack of icons to use. Hopefully, this issue will be resolved when a final "theme" library is added to the project directory.

B. Disagreement on how to handle multiple ratings or media from the same user

Little to no discussion was held prior to this week to determine whether to allow users to update their existing ratings, or create an entirely new rating for the same media name. Under the current implementation, new rating from the same device for the same piece of media would result in two indexes for the same media. At this stage, rather than decide how we want to handle this, we will simply not allow the user to create the duplicate ratings for the same medi

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4. Final feature list of functionality

Since the update 1, we discussed and analyzed what all the features can be developed within the time frame. As suggested in project project proposal feedback, we removed some expected and bonus functionalities due to lack of time.

A. Start, pause, and adjust time on a timer

The user will be able to control the timer while rating at any specific moment of time. The time when the timer is adjusted will be tracked and synced with the video.

B. Create new ratings for media content
Application allows user to rate any media according to specific time frame. This will allow the user to rate most liked or disliked scenes from the media. The application uses timer to track the ratings that user gives

C. Search existing media content entries
All different types of media entries will be stored in the database in JSON format. The user will be able to search the existing media entries to rate them. The search suggestions will be given to the user for the existing media entries. If the media is not detected, the user can manually search for the media.

D. View the profile of individual media content
The users will be able to see information for any media content stored in the database. The media name, type, duration, genre and other information will be displayed. The ratings given by all users for the specific media will be displayed as a graph.

E. View graph of user's rating in media profile
The ratings given by individual users will be stored in the database and represented in the form of a graph. The rating given on each second will be presented. The users will be able to view the graph of their ratings.

F. View graph of aggregate ratings in media profile
The ratings given for a particular media content will be aggregated and displayed in the form of a graph. This will give an insight of the ratings given at different time periods by a number of users.

G. Use sound recognition to identify time indexes in select media
This feature recognizes the media using voice recorder. It generates the hash table and tries to match with existing media available in the media database.

Total: Out of 15

TA Signature: _____

Instructor Signature: _____

Appendix A

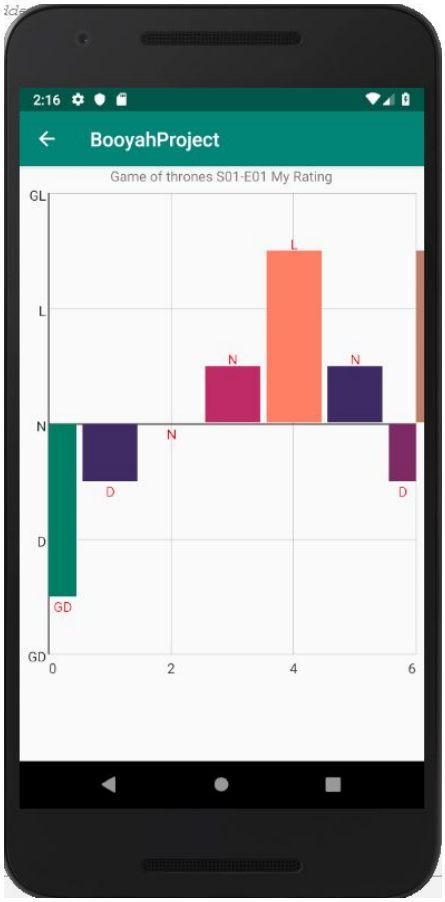

Figure 1: Media ratings report

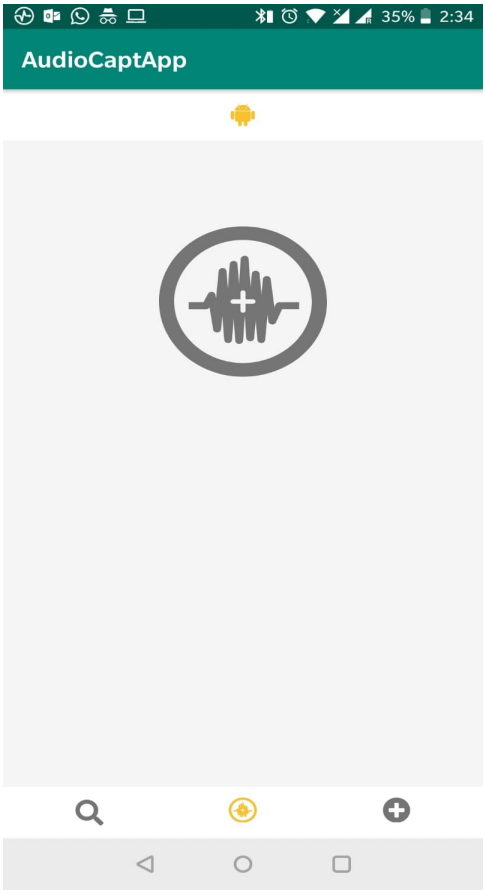

Figure 2: Home Page