

2017 Fall: COMP-SCI 5590/490 - Special Topics

Mobile Programming

Lab Assignment 3

Assignment Overview

The following assignment focus on to make one familiar with Android programming advanced topics like SQLite, speech to text and text to speech.

Lab Assignment

Create a mobile application which integrates the below features into one application:

- a) Speech to text
- b) Text to speech
- c) SQLite

For example: Applications for TOEFL preparation deal with storing user voice responses and then also letting users listen ideal responses for SPEAKING section . This helps in preparing the candidate better for the TOEFL speaking section.

Also try to come your own idea of your application which should be unique and creative as well.

Additional Task

In case you don't have an android device for this assignment you can pair up with other student to complete this lab assignment. However you will be required to perform the following tasks as well:

- Add rating your application feature from the scale of 1 to 5
- Use firebase storage to store the rating and perform CRUD operations on it

Please remember to mention your team mate name in google lab submission link, wiki report and Turnitin assignment.

Turnitin submission should be done by only one member of the team and github submission need to be done by both the team members along with google lab submission.

Submission Guidelines:

- Submit your code at Github and properly document it. Submit your screenshots as well.
- Properly document your code
- create a wiki report on Github as per guidelines
- Submit the report including source code to blackboard Turnitin.No images of source code as it is incorrect way to check the similarity of the source code
- Remember code similarity to be less than 15%
- Use following link to submit your assignment:

<https://goo.gl/forms/cDmMhPECPYLA5Sh2>