**Assignment 7**

Ionic framework Application:

This application has Registration and Login. It contains ionic plugins, OAuth plugin for Facebook login, Bar code scanner plugin, which gives the product id by scanning the related barcode and It also has Speech Recognition plugin which converts text- to-speech and speech-to-text.

Login Page:

Login page has User name and password text fields, two buttons like login and Facebook login functionalities.

Registration Page:

Registration page has user name, password, mobile number, Address fields, and it has register button.

Home Page:

After successful registration and by clicking the login button in login page the user can navigate to the Home page. The home page has two buttons like text conversion and Barcode scan button. By clicking those button, the user can navigate to the corresponding pages.

Text conversion page:

Speech to Text Conversion and Text to Speech Conversion functionalities.

Bar Code Scanner Page:

In this by giving the barcode image, user can get the details about that product.

**Wire Frames:**

[[]]

[[]]

[[]]

[[]]

Login:

[[]]

[[]]

Registration:

[[]]

Home Page:

[[]]

Text Conversion:

[[]]

[[]]

[[]]

Bare code Scanner:

[[]]

**Web Application Pages:**

**Login Page:**

This page contains two text fields to enter Username and Password. If you give correct login details and then by click Login button it will redirect to the Home page. It uses firebase ionic plugin to validate the credentials. If you click on Register Link it will direct to the Registration page.

**Login Failure Page:**

If you enter Invalid details and try to login It will direct to the Login Page and Display an invalid credentials message. This is due to wrong password or due to incorrect email format etc.

**Registration Page:**

If you are logging in for the first time if you click on register link in the Login Page, it will get directed to the Registration Page. You have all your basic details and then click “Register”. If you want to cancel the Registration, then click on Cancel click which will direct to the Login Page. This uses firebase plugin to register the email id. If already the email is registered it will show the error message.

**Registration Success page:**

By giving all the details and if the given email was not registered email then It will navigate to the Registration Page and display a message stating that the Registration Successful with that email id.

Screenshots:

Login Page:

[[]]

Registration page:

[[]]

Y-slow:

Y-slow main page:

[[]]

Grade Page:

[[]]

[[]]

Y-slow components:

[[]]

Statics:

[[]]

Test Case: