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Subject :- CIS 694

**Supervised by Prof:-** Wenbing Zhao

**Final Project**

**QUE: - Develop an interesting mobile app that uses one or more sensors with substantial complexity. Minimum features: (1) user management with login and user registration; (2) data persistency with MySQL Lite or cloud storage; (3) at least three activities; (4) using at least one sensor for the core logic of the application. The lines of code of the source code (excluding the layout specification) are expected to be 500 or more for a passing grade on the project.**

**Please submit the following items: (1) zipped full source code (i.e., the Android studio project folder); (2) a detailed typed project report documenting the significance of the project, the design and implementation of the project, and the screenshots of example scenarios when using your app.**

**🡪**

Programming Language: - React-Native

Database: - [www.000webhost.com](http://www.000webhost.com)

Application Name: - Auto Repair

Number Of Screen: - 25 Screen

* Splash Screen
* Login Screen
* User Side: -
  + Home Screen
  + Add Car Information’s Screen
  + View Car Information Screen
  + Profile Screen
  + Edit Profile Screen
  + Setting Screen
  + Policy Screen
  + Helpline Screen
  + Car Status Screen
  + Location Screen
* Mechanic Side: -
  + Home Screen
  + Profile Screen
  + Edit Profile Screen
  + Car Information Screen
  + Location Screen
  + Work Status Screen
  + Change Password Screen
* More…

Installing External Library: -

* + "@react-native-async-storage/async-storage": "^1.17.11",
  + "@react-native-community/geolocation": "^3.0.3",
  + "@react-navigation/native": "^6.0.13",
  + "@react-navigation/native-stack": "^6.9.1",
  + "axios": "^1.2.0",
  + "react": "18.1.0",
  + "react-native": "0.70.5",
  + "react-native-document-picker": "^8.1.3",
  + "react-native-image-picker": "^4.10.1",
  + "react-native-image-resizer": "^1.4.5",
  + "react-native-maps": "^1.3.2",
  + "react-native-safe-area-context": "^4.4.1",
  + "react-native-screens": "^3.18.2",
  + "react-native-shake": "^5.1.1",
  + "react-native-toast-notifications": "^3.3.1",
  + "react-native-vector-icons": "^9.2.0"

**CODE Information:-**

- View is designed to be nested inside other views and can have 0 to many children of any type.

- Text supports nesting, styling, and touch handling.

- import { ToastProvider } from 'react-native-toast-notifications':- Alert Message show

- StyleSheet:- For give the style to all screen

- TouchableOpacity :- This work like button

-Image :- Display the image

- FlatList :- Display the list

- @react-native-async-storage/async-storage :- this library use for store tempery data like user id and token because once user login after that no need to login

- useEffect :- this function call automatically when screen start

- useState :- veriable call

- fetch( ) :- This applicaton use API of call the data from the web site or cloud storeg

-TextInput :- user can inside the valus here

- react-native-image-picker :- this library call from online and this application select image so here put two option camera and gallery

- react-native-shake – here I put advance system like when user shake this phone that time select image option open

- @react-native-community/geolocation – geolocation use for get live loation to user

- react-native-maps : - Display the map

- @react-navigation/native :- this functon use for go user one screen two onther screen

- @react-navigation/native-stack':- screen natigate like stack first come last go and last come first go

- setTimeout :- this work like timer

**Application Work:-**

* First App start with Splash screen after the 3 second
* Login screen come out in this screen user need to enter the user id and password
* Over there I put one check box so I put one condition check box checked that user login with user on other hand mechanic login.
* Every user can create there account
* User side application work like user can enter his car problem and over there I put many option about auto details.
* As well as I get live location and change their profile like edit and many more
* They can see their data or more
* In addition, mechanic side they can see user uploaded date
* They can give the quote for problem
* See their work like how many works are padding
* Edit their profile or change it
* More

**ScreenShot:-**

**Logo

Description automatically generated with low confidence Graphical user interface, text, application, chat or text message

Description automatically generated**

**Graphical user interface, text, application

Description automatically generated Graphical user interface, text, application, chat or text message

Description automatically generatedGraphical user interface, text, application, chat or text message

Description automatically generatedMap

Description automatically generatedGraphical user interface, text

Description automatically generatedGraphical user interface, text, application

Description automatically generated**

**Logo

Description automatically generated with medium confidenceGraphical user interface, text, application

Description automatically generatedGraphical user interface, text, application, chat or text message

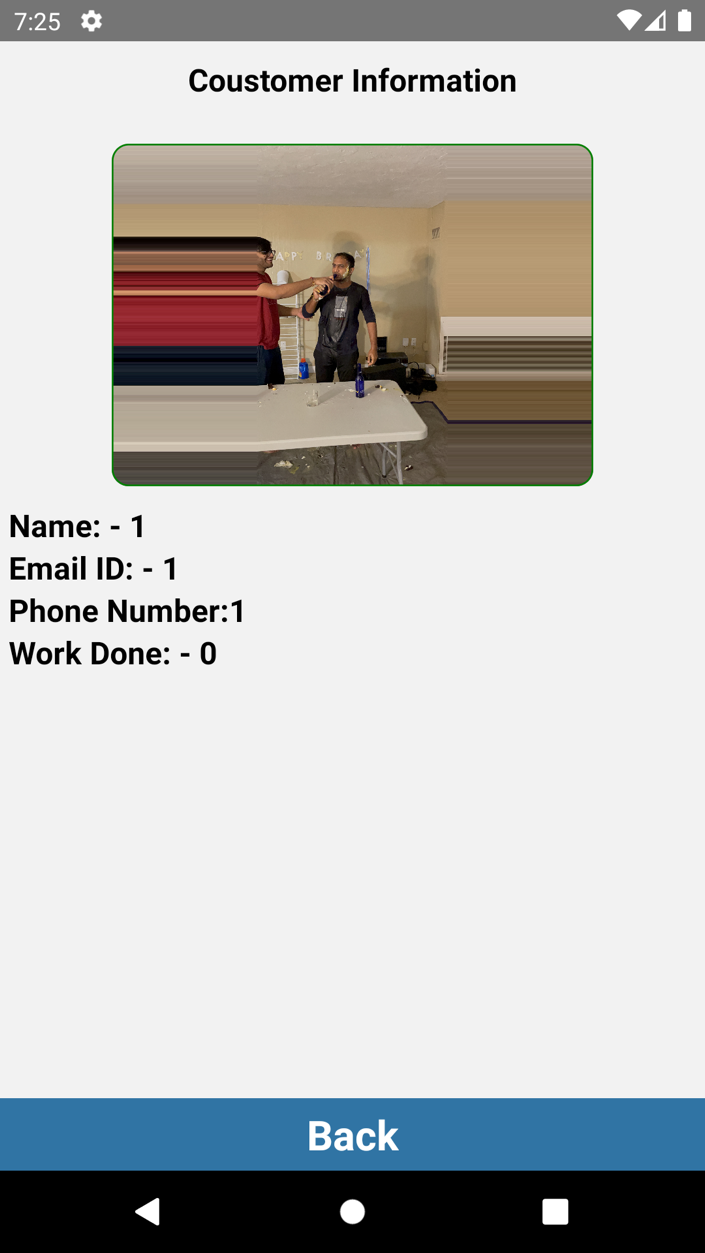
Description automatically generatedGraphical user interface

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Description automatically generatedGraphical user interface, website

Description automatically generatedGraphical user interface, text, application, chat or text message

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