COIT20269: MOBILE WEB APPS (HT2, 2023)

Documentation report

Team Project: Nearby Now App

Team Size:

**2 Students**

Student Names and Student ID:

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Due Date: 15 October 2023

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Unit Coordinator: Ayub Bokani

HE Term 2 2023

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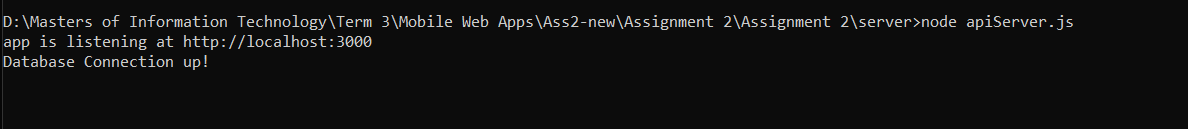
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# 1. Introduction

This application is designed and developed to have the below core functionality

* User Sign Up : User can sign up and have their account set up in the mongo DB database and use their username and password for future logins.
* Data Storage: User data will be stored in the cloud and protected using the JWT.
* Real-time Access: Access data and nearby places from anywhere, anytime using the google places api.
* User-Friendly Interface: Intuitive and easy-to-navigate design for a seamless experience.
* Data Security: data is protected and backed up in the cloud database, ensuring its safety.

# 2. Instructions

1. This application requires Android emulator to run as a mobile application.
2. Required software -> java JDK 8, Node.js, Cordova 10, Gradle 7, Android studio and virtual android device in android studio
3. Open the command prompt.
4. To run the server go the directory of the server provided in the project folder
5. Now run the command “**node apiServer.js**”
6. 
7. Keep the server running and do not close the command prompt
8. To run the client.
9. Open another command prompt
10. Go to the client directory.
11. A black screen with white text

    Description automatically generated
12. To run the client in the browser environment enter the command “**cordova run browser**”
13. A screen shot of a computer program

    Description automatically generated
14. A screenshot of a computer

    Description automatically generated
15. To tun the application in the android emulator, you must open the emulator and then in the command prompt type “cordova run android”
16. A screenshot of a computer program

    Description automatically generated
17. A screenshot of a phone

    Description automatically generated

# 3. QR Codes, JSON Data, and Visuals

|  |  |
| --- | --- |
| A qr code with a few black squares  Description automatically generated |  |
| {"img":"img/demon.jpg","title":"Demon Slayer the Movie: Mugen Train","director":"Haruo Sotozaki","year": 2020,"genre":"Action Adventure","rating": 8.2} | |

# 4. Functionality Testing

|  |  |
| --- | --- |
| Mobile Device | Browser |
|  |  |
|  |  |
| 1. Title 2. 4 Buttons (Scan, Display local data, upload to cloud, and display cloud data) 3. Admin Menu | |
| **Admin menu**   1. Delete Local Data (Array and Local Storage) 2. Delete Cloud Data | |

|  |  |
| --- | --- |
| Scan btn - Client | |
| Mobile | Browser |
|  |  |
| 1. Open Scanner 2. Reads the QR Code 3. Saves Data (non- persistent and persistent) 4. Message to User 5. Returns to home   **JSON data in text file “productData.json” under a folder named “Resources” included.** | |
|  | |
|  | |
|  | |

|  |  |
| --- | --- |
| Display Local Data - Client | |
| Mobile | Browser |
|  |  |

|  |  |
| --- | --- |
| Upload to cloud - Client | |
| Mobile | Browser |
|  |  |
|  |  |
|  | |
|  | |

|  |  |
| --- | --- |
| Display Cloud Data - Client | |
| Mobile | Browser |
|  |  |
|  |  |
|  |  |

|  |
| --- |
| Server |
|  |