**ICP10 Report**

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github: <https://github.com/GollapudiSrikanth/WebMobileSpring2022/tree/main/Mobile/ICP10>

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github: <https://github.com/MangiVarunReddy/Webcourse/tree/main/Mobile_part/ICP10>

**Task Performed**

1. Created an empty project in the Android Studio with the name of ICP10 and added two dependencies which are retrofit2.9.0, converter-gson:2.9.0.
2. In this ICP10 project, created a new java class file with the name User.java which acts as a data transfer object which consists of id and username with getters and setters.
3. In the layout added a text field with id of ‘text1’ and added a nested scroll view to the text1 which gives the way to scroll up and down.
4. In the onCreate function in the MainActivity.java,retrofit api is used consumed the github rest api to fetch the users data.
5. On Successful call of api, response is collected in the onResponse method and casted to User class which is collected in the list.
6. The collected list is then displayed in the text view which is present in the MainAcitivity.xml and displayed to the user.

**OutCome**

From this task we are able to create an application for mobile devices and able to test and develop the application in the android studio.

**Task Distribution**

Work Contributed was equally distributed together.

**Task Screenshots:**

Fig-1: Below picture represents, adding Scroll Bar to the textviewA picture containing text, plaque, screenshot

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Fig-2: Dependencies added to the project in the build.gradle file

Text

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Fig-3: User Entity used for casting the output response of the api

Text

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Fig-4: Consuming the rest-api using retrofit dependency

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Fig-5: On successful rest-api response, converting the response to users list and displays o/p

Text

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Fig-6: On Failure of getting the response from the rest-api the this function executes

Text

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**Output Screenshots**

A screenshot of a cell phone

Description automatically generated with medium confidence

* Onscrolling the screen remaining ouput is shown in the below figure

A screenshot of a cell phone

Description automatically generated with medium confidence