**COMP 583 – GROUP 5 PROJECT – WEEK 4**

**Topic: -**

Display Contextual Examples in a List (Android Platform)

Manager: - Mahesh Ramachandrapu

**Introduction**:

The issue is related to a language learning application, where the user wants the system to display a list of contextual examples for the selected or input unit. The purpose of this feature is to allow the user to easily view and navigate to the details of each example. To ensure that the user experience is optimal, several acceptance criteria have been established, including displaying a maximum of 10 examples, handling cases where fewer examples are available, displaying an appropriate message when no examples are available, and truncating the text of each example to fit the available display space on an Android device. The user interface must adhere to Android design guidelines and best practices to ensure consistency and intuitive navigation.

<https://gitlab.com/mxm_yrmnk/wordfrequency/-/issues/4>

**Description:**

Acceptance Criteria:

The system must display a list of contextual examples for the selected or input unit, up to a maximum of 10 examples.

The system must handle cases where ChatGPT provides fewer than the maximum number of examples or no examples at all.

If no examples are provided, the system must display an appropriate message informing the user that no examples could be found.

Each example must be displayed with a button to navigate to the detail screen.

The text of each example should be truncated (with an ellipsis) to fit the available display space on an Android device.

The user interface must adhere to Android design guidelines and best practices, ensuring a consistent and intuitive user experience.

**Tasks: -**

Task 1: - Implement the tasks as assigned to ensure the api service works and the unit tests for them.

**Measurement:**

The topic and allotted time for each team member's sub-project will be given to them. Based on an assigned test architecture and nomenclature, each sub-project will include user stories, unit tests, and a test script manual. Each team member will be graded according to the amount of time they spent finishing the tasks they were given, passing the pertinent tests, which includes the manual, and reaching the deadline for submission. One can complete the allocated duties in the suggested time or longer.

**Group Members:**

Vamshi Kishore Aemula

Saiteja janjirala

Nithish sai vardhan gollapapani

Mahesh Ramachandrapu

Monish Bhogegowda Shylaja

Sai venkata shreyas bandaru

Roles and Responsibilities: -

Mahesh Ramachandrapu(Manager)

Vamshi Kishore Aemula(Developer)

Saiteja Janjirala (Developer and Team lead)

Nithish sai vardhan gollapapani(Developer)

Monish Bhogegowda Shylaja (Developer)

Sai venkata shreyas bandaru (Developer)

**Guidelines:**

Architectural guidelines document for android: -

<https://docs.google.com/document/d/14ueKezHMOVEAgASmnmamCOw_OVU8PvTChoGSiGaAB5k/edit?usp=sharing>

**Tasks and Statuses: -**

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| --- | --- | --- | --- | --- | --- |
| **Name** | **Estimated Time(hours)** | **Actual**  **Time(hours)** | **Requirements** | **Explanation** | **Progress** |
| Saiteja janjirala | 2 | 2 | Create a ApiClient to create a retrofit instance. | Create api client using retrofit and use rxjava adapter for creating the retrofit instance and write unit test for it. | completed |
| Vamshi Kishore Aemula | 2 | 2 | Create ApiService interface for the endpoint to fetch examples | This involves creating interface and creating requrest and response classes and writing unitests for them. | completed |
| Nithish Sai Vardhan Gollapapani | 2 | 2 | Create a singleton helper class to get a single instance of api client. | This involves creating a class and handling istance of the apiclient and writing unitetst for it. | completed |
| Sai venkata shreyas bandaru | 2 | 3 | Handle the api interaction in the search screen. | It involves using Rxjava functions and helper class to make an api call and fetch the results. | Completed |
| Monish Bhogegowda Shylaja | 3 | 3 | Handle the ui when error,response and update the ui. | It involves handling the ui accordin the response and error. | Completed |

Milestone Status: -

* We have completed the implementation of the User Interface for the contextual examples list with the unittest using the dummy data and manually tested the application and also dummy network service.

Retrospective Suggestions: -

* After working on this screen everyone in the team got comfortable with android app development and got more familiar related to unit testing in android and completed the tasks.