**COMP 583 – GROUP 5 PROJECT – WEEK 2**

**Team**: - TEAM J5

**Manager**: - Vamshi Kishore Aemula

**Topic: -**

Display Contextual Examples in a List (Android Platform)

**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.

**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: -

Vamshi Kishore Aemula (Manager)

Saiteja Janjirala (Developer and Team lead)

Nithish sai vardhan gollapapani(Developer)

Mahesh Ramachandrapu(Developer)

Monish Bhogegowda Shylaja (Developer)

Sai venkata shreyas bandaru (Developer)

**Meetings: -**

04/22/23: Discussed regarding teams’ knowledge in android, tools we are going to use and resources to learn Android app development.

04/26/23: Discussed Android architecture, Teams knowledge in Android app development.

**Tasks**: -

Task 1: - Learn Android app development and create a sample app.

Task 2: - Implement the tasks that are being assigned according to the issue that is being picked in Android.

**CodeMetrics: -**

We are assessing the code quality using the cyclomatic complexity of each function and class so to make it easier we are using codemetrics plugin available in android studio.

Plugin : - <https://plugins.jetbrains.com/plugin/12159-codemetrics>

**Guidelines: -**

The Architecture that we are going to follow is MVC as this Is an android project the model will be our model classes; the views will be the xml files where we design screens, and the activities and fragments will be the controller.

1. Each module should be in a separate package

Example: - activities should be in a different package, POJO (Plain old Java objects) classes should have a separate package.

2. Each string that is being used must be used from strings.xml.

3. Each color that is being used must be used from colors.xml file.

4. The naming conventions for each method must be named using pascal Scale.

**Tasks and Statuses: -**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Estimated Time(hours)** | **Actual Time(hours)** | **Progress** |
| Saiteja janjirala | 2h | 1h | completed |
| Vamshi Kishore Aemula | 2h | 1h | completed |
| Nithish Sai Vardhan Gollapapani | 6h | 3h | Completed |
| Mahesh ramachandrapu | 8h | 6h | completed |
| Monish Bhogegowda Shylaja | 8h | 6h | completed |
| Sai venkata shreyas bandaru | 8h | 6h | completed |

**Task 2: -**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Estimated Time(hours)** | **Actual Time(hours)** | **Requirements** | **Explanation** | **Progress** |
| Saiteja janjirala | 3h | 4h | Designed Ui screen with search bar and recyclerview and setup for the project | This involves taking word/phrase in the search bar from the user and checking internet connection. | completed |
| Vamshi Kishore Aemula | 4h | 4h | Populated the list chat gpt data. | This involves handling the contextual examples from chat gpt and displaying them in a list (for now using dummy list to populate the user interface). | completed |
| Nithish Sai Vardhan Gollapapani | 4h | N/A | Handle the scenario where we get less than 10 contextual examples. | This involves handling the views and the data so that we must show an extra message for the user along with the list. | Inprogress |
| Mahesh ramachandrapu | 4h | N/A | Handle the scenario where we must show a message to the user that no contextual examples are found. | This involves hiding the list views and showing only the message. | Inprogress |
| Monish Bhogegowda Shylaja | 4 | N/A | Designing the ui for the list item and integrating it with the adapter for the list and handle the case where exact 10 items are shown. | It involves the integrating the list item ui and binding the contextual data to that item. | Inprogress |
| Sai venkata shreyas bandaru | 4 | N/A | Handle the clicks on the contextual list items | It involves navigating to the detail screen from the button in each example. | Inprogress |

Milestone Status: -

* Based on the assignments per team member section, all team members have completed learning android app development using java and have implemented a sample app based on what they have learned.
* Coming to the issue that is being assigned to our team, it is still in progress. We haven’t finished the user interface yet, so we are going to complete this by next week.

Retrospective Suggestions: -

* Everyone in the team is comfortable with Android app development and got familiar with android studio and have developed a sample app based on what they have learned.
* While working on the issue some members of the team need more clarification regarding what we are going to do, what views to use and how to interact with them by writing the unit tests first.
* By next week we will plan to complete the user interface part of the contextual examples list screen.