



PLAN-B System: An Android Application for Supporting Self-Regulated Learners



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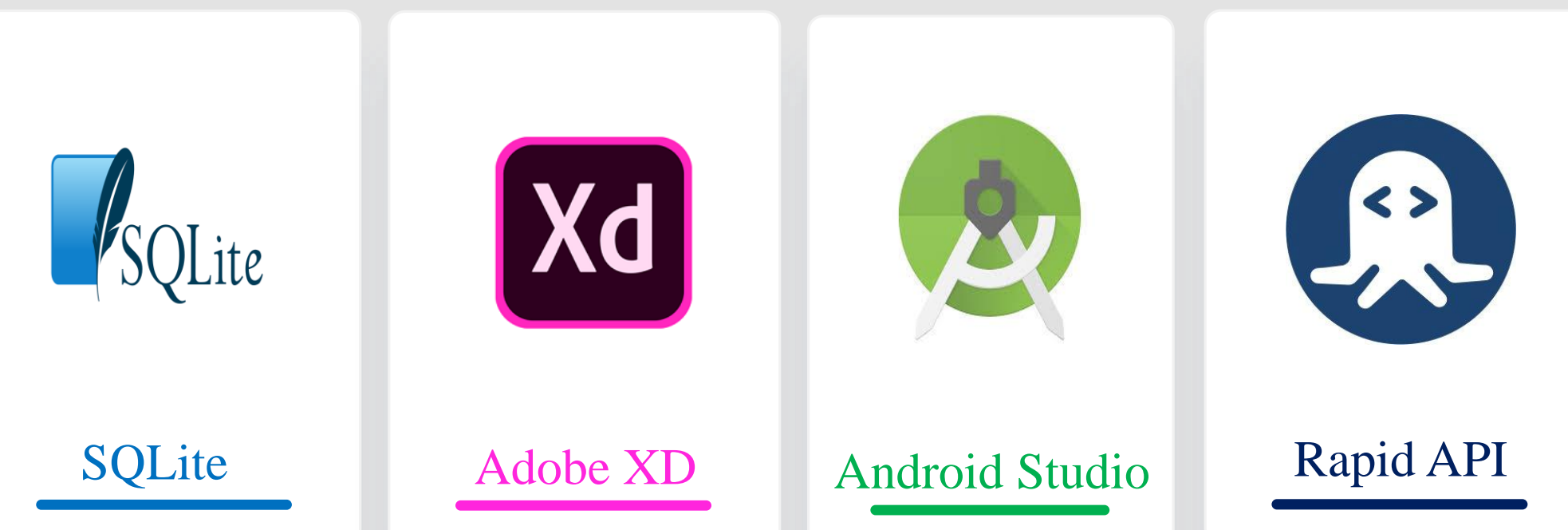
Introduction

As time pass and the massive development of information technologies, it becomes so important to find a new learning model that adapts to the changes of the current stage.

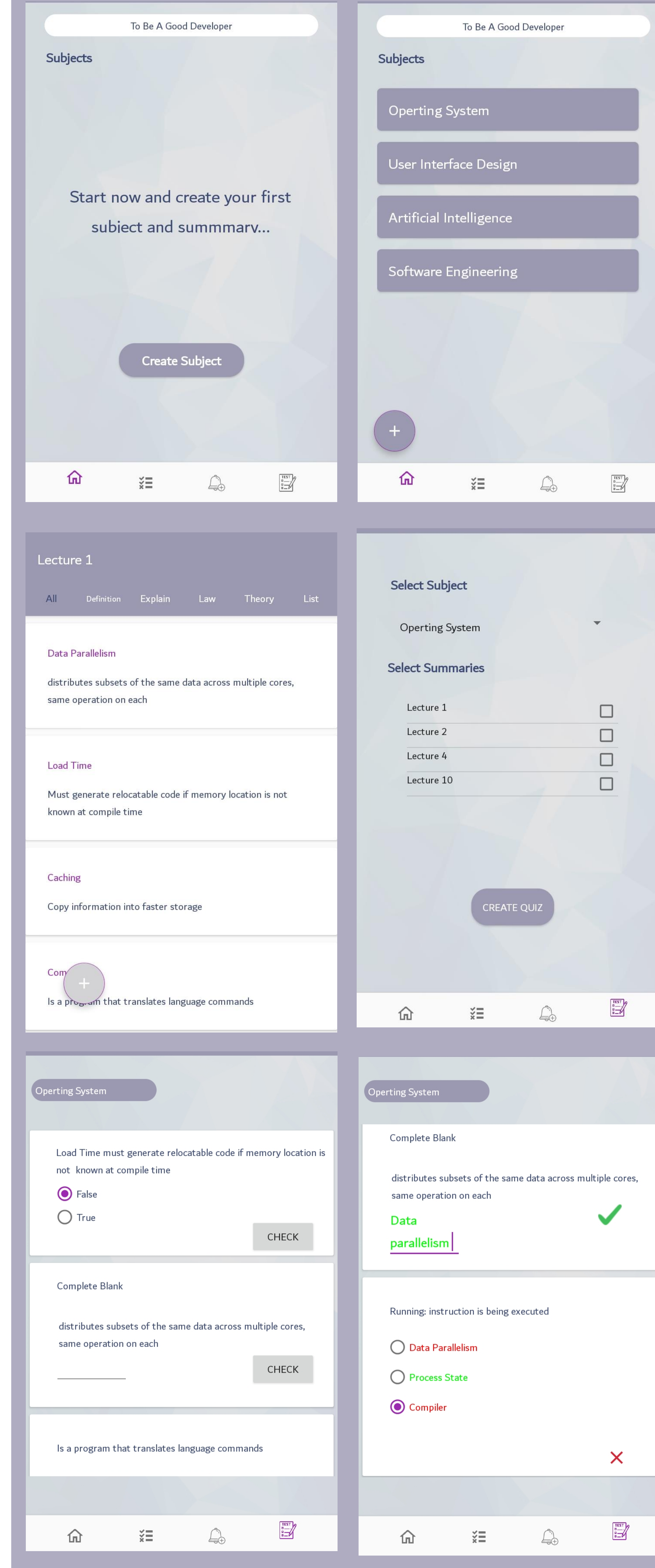
Self-regulated learning is a term coined in 1980, which is about the idea of independence studying strategies. This project "Plan-B" will support the self-regulated learning process, through focusing on three aspects of this learning approach, these aspects are goal orientation, self-regulation and self-evaluation. This application helps students and self-learners to study and learn independently through three main features which are:

1. Setting goals.
2. Summarizing study materials.
3. Self-evaluation by answering quizzes that the application creates through user summaries.

Tools



User Interfaces



Features of Plan-B Application

Goal Setting :

The user can set a general goal, that will be displayed on the screen and in order to achieve this goal the user can add to-do list items and manage his/her tasks.

Summaries:

The user can create one or more summaries for each subject using different types of templates (definition, law, explanation, theory, list or comparison), the user can view the whole summary or only a specific template type only.

Quizzes:

The user can choose one or more summary to request a quiz. Plan-B app will create a quiz with five questions using the templates of the selected summary/ies and the quiz will contains different type of questions (T/F , Complete Blank , Multiple Choice and Matching). The app will create a different quiz for each time the user request. The user can answer the quiz questions, and check each answer via click check button. When user finish the quiz the app will display the grade.

Purpose of the project



The find convenient solutions for problems that face learners.



Some of these problems are related to the lack of goals clarity, difficulties in finding ways to study and organize ideas and information.



The main purpose is to develop an application for self-regulated learners. supports them and applies many of their own methods.



Our application called Plan-B allows the user to summarize any scientific or study material in clear summarization templates to make the process of study and memorization more enjoyable.



The users can test their selves via quizzes that the application creates using users' summaries.

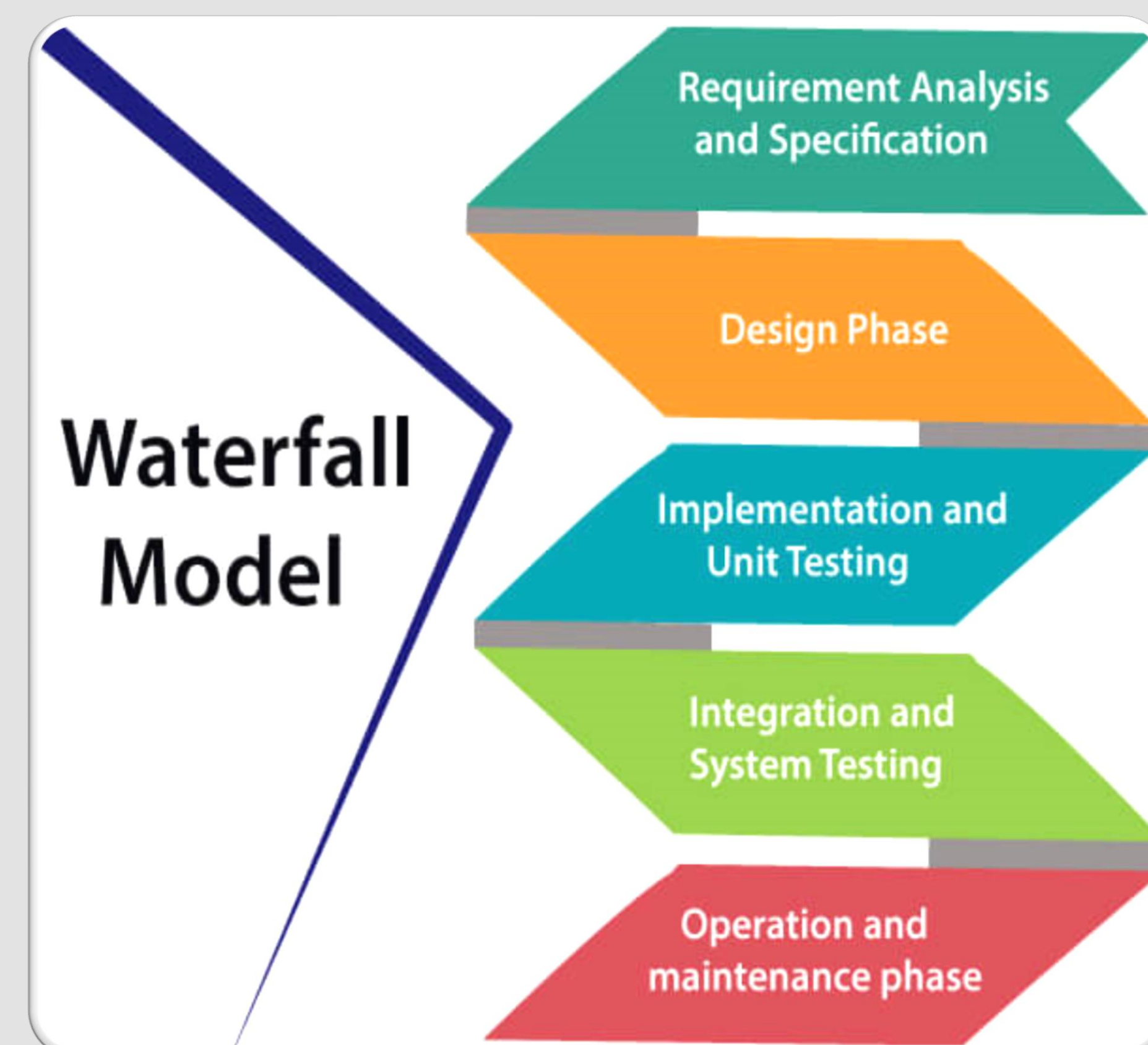


The user can insert learning goal and the app always show the goal under the action bar of the window .



The user can add/check/delete To-Do list item.

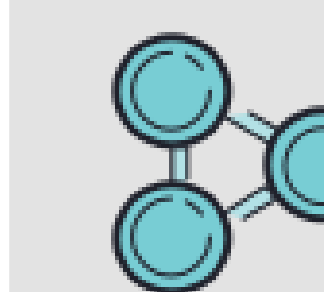
Methodology



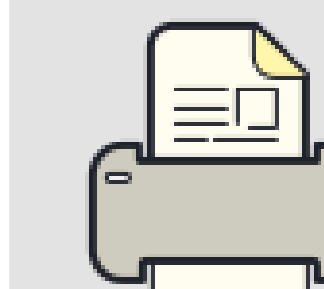
Project scope

- This project follows software engineering concepts and implements the principles of Human-Computer Interaction (HCI).
- The application will be in English language only and will be developed using Android studio for android devices.

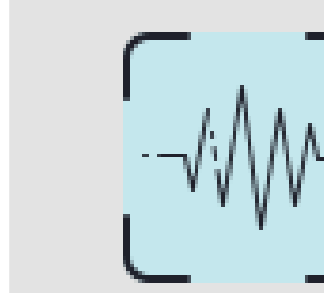
Future Enhancements/Plans



Enable users to share their summaries



Enable users to print their summaries



Add voice input

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