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SULTAN IDRIS  
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SULTAN IDRIS EDUCATION UNIVERSITY

A NEW  
CREATIVE  
VISION  
Manifesting Collaborative Creativity



Software Engineering  
Educational Software



# Arabic A+ : Mobile Application for learning Arabic language grammar



## ABSTRACT

Students lose interest in learning Arabic because the language is difficult to understand and must consult numerous books to get the foundational information to understand Arabic grammar. The main objective of this Arabic A+ is to develop a mobile application that will enhance students' learning. This Arabic A+ is beneficial for teachers and students to be used for self learning.



## METHODOLOGY: ADDIE MODEL



### ANALYSIS

A survey related to mobile applications and Arabic grammar has been conducted. The project's scope and requirements have been determined after thoroughly analysing all issues and possibilities and design into document SRS.



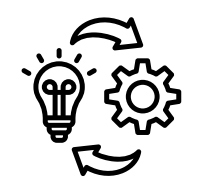
### DESIGN

The requirements will be gathered into a document SDD to determine an appropriate and user-friendly app interface. This application was developed using the Flutter design framework.



### DEVELOPMENT

The information gathered during the preceding phases is used to create prototype. Prototypes written in the Dart programming language are created using Visual Studio Code and Firebase.



### IMPLEMENTATION

User testing has been done on the prototype. The user-interactive features that enable users to interact with the mobile application were tested, along with the interface's appropriateness and cheeriness.



### EVALUATION

The developed prototype will be presented to the user for evaluation and feedback. The data has also been used as a guideline to assist improvement in future.



## USEFULNESS

- Enhancing student learning with the use of this mobile application, which is available anywhere and is accessible for use 24/7.
- Students can turn learning into a fun experience by answering to quizzes that helps them develop their behavioural learning skills.

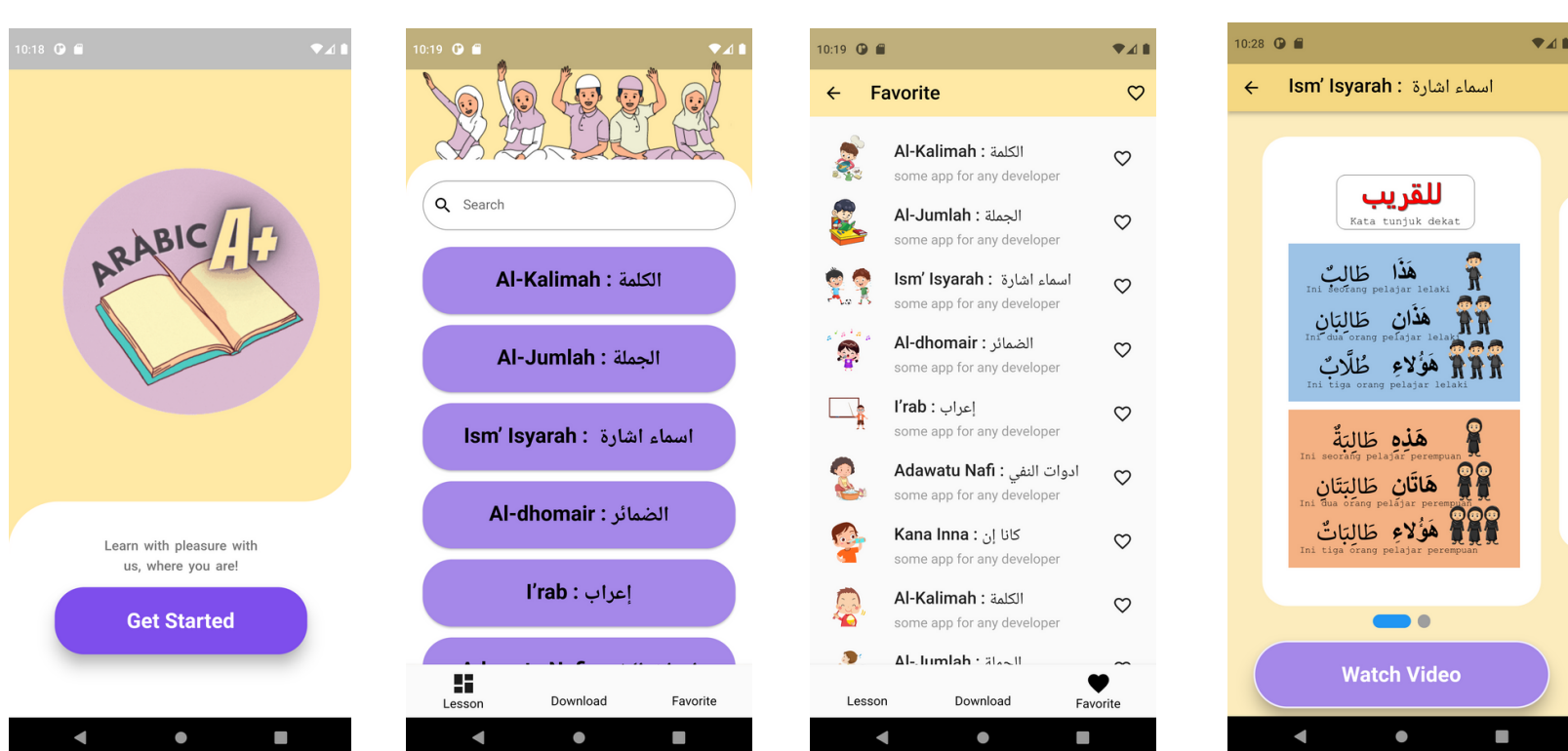


## COMMERCIAL POTENCIAL

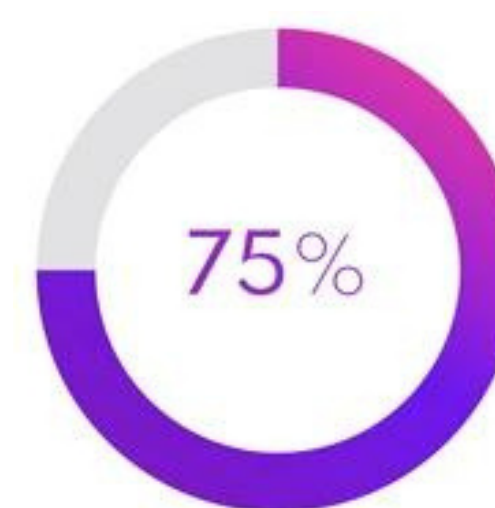
- Education institutions that have Arabic courses can use Arabic A+ to teach the students.
- Arabic A+ is believed to aid students in learning Arabic grammar because it contains notes, videos, and assignments that can evaluate students' understanding of Arabic language.



## INTERFACE



## ANALYSIS & RESULT



GRADE B (GOOD)

Usability Evaluation was done, the System Usability Scale (SUS) by John Brooke, 1986.

Using the data from the respondents that consists of students in SMK Jalan Kebun (13-15 years old)



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