Badelni Application

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BADELNI

جامعة أم القرى
UMM AL-QURA UNIVERSITY

INTRODUCTION

This project proposed an non profit application called Badelni. It will provide a bunch of services that help students to find what study stuff they need faster. Students can post advertising for their used study stuff instead of throwing it or keeping it without using it. Also, it will help students who have financial problems to buy new expensive study stuff. The students who have the stuff can donate, borrow, or maybe exchange it with others under specific conditions to ensure that the stuff is preserved.

AIM & OBJECTIVE

- Create asmall department in university to take care about donation stuff between students.
- Saving money and making use of unused books and stuff.
- Reduce wasting books and other study material.
- Provide a non profit application to help students with low-income.
- Motivating students to love goodness by rewarding the most interactive and generous student in the application.
- Exchange study books, Art materials and different study materials between students.

METHODOLOGY

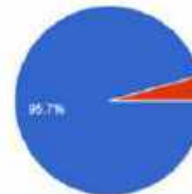| Planning | Find scope, solution. Estimate cost, efforts. Identify risks, benefits. | 1 |
Analysis	Focus on functional requirements. Perform solution analysis, derive end users needs	2
Design	Elaborate core specifications, features, functions, and flows to meet the requirements.	3
Build	Actual development begins here following the design. Code reviews, unit testing are done.	4
Testing	QA team tests the software for errors/bugs and determines if the solution meets the business goals.	5
Deploy	After successful testing, software gets deployed in production environment for user acceptance and approval.	6
Maintain	After software passes all the stages, it enters into the maintenance phase. The vendor here provides support for any future upgrades and bug fixes.	7

FUTURE WORK

- Adding more parameters for classification such as Specialization.
- Extending to enable other Universities that's provide more chances for student to provide their stuff.
- Add feature that can predicted what student will need according to stuff that heorder and his Specialization.
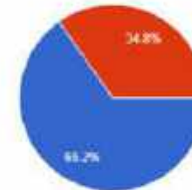
RESULTS

Badelni project able to:

- Post advertisements for any study material to other students without fees.
- Send direct messages between students.
- Gives awards for the most intractive and donated students.
- Edit advertisements.
- Find study materials in the easiest way and for free.

An survey study was conducted for the students of the College of Computer and Information Systems.

95.7%

- Here they were asked, do you think the idea will serve students in the future?

  ● Yes
  ● No

34.8%

65.2%

- Here they were asked, will you use the application to borrow one of the items offered?

CONCLUSION

Current mobile applications on Umm AlQura University thus far have been carried out to address the problem from different perspectives. As far as we know, no smartphone application has been proposed enhancing cooperation and assistance among our university students. For this purpose, we seize the opportunity to offer an official mobile application for Umm AlQura University enable students to provide their stuff that they need in their Academic journey by cooperating with their colleagues to achieve this by exchanging, donating or borrowing their university holdings in an easy and effective way, which benefits everyone.

MATERIALS & TOOLS

- Android studio
- Android smartphone
- Firebase database