

# BADEL WEB APPLICATION- An online web Portal for donation and Exchangeable Resources

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**Abstract** - Badel is a web application available via the internet. To help King Khalid university students in Saudi Arabia to exchange their collectibles or ownership with their university friends. It is a special auctions system while student shows their ownership details and pictures in order to exchange with other university friend's ownership, also he /she can lend it or donate to another friend. Badel provides a way to save money and resources.

**Keywords** - Badal; Exchange; resources; sharing; auction.

## I. INTRODUCTION

The main aim is of this project is to design and implement an online website like a big virtual marketplace where university members can gathering to exchange, lend, borrow and donate their collectibles and ownerships easily to save their time and money

This system facilitates users in their exchange or donates process by offering them automated methods rather than Traditional barter system to save money, and without allocating part of university staff to enter the information into a database. The responses are processed automatically, and the results are accessible at any time

## II. EXISTING SYSTEM

If you've ever swapped one of your book with a friend in return for one of their book, you have badel. The badel system is influenced by the olden system called "Barter System". Bartering is trading services or goods with another person when there is no money involved. This type of exchange was depended upon by early civilizations.

University members use the traditional methods like search in the internet, social communication website and other contacts applications like whatsapp, skype, messenger ....etc. to contact with other university members or to exchange or donate their ownership to them.

### A. The disadvantage of the current system

- Sometimes people have to keep their collectibles which they do not need for a long time because they do not know how can they get benefit from it or how can they help another person to get benefit from it?
- Searching for beneficiaries is a time-consuming process.
- Causing this collectibles and ownerships damage or lost and that increase money loss and environmental pollution
- Also, advertising collectibles in the newspaper is expensive and less benefit because it does not reach to a lot of people or for a specific group of people.

## III. PROPOSED SYSTEM

This system facilitates users in their exchange or donates process by offering them automated methods rather than Traditional barter system to save money, and without allocating part of university staff to enter the information into a database. The responses are processed automatically, and the results are accessible anywhere and at any time

### A. System Objectives

- No upfront costs in advertising
- No staff or distributors
- No paperwork that means no population
- Add friendship atmosphere between the University members
- Help needy member to get some products free.
- Save the time and effort of university members in exchange items process

### B. Benefits of proposed systems

- Badel system is a web application in which every university members of KKU could log in any time and use our website to do an online exchange or donate, in a new and modern way.
- It helps university members to save money with the great and easy user interface.

- It helps the university members view their ownership through our website.
- The good design of interface provides accurate information and details will increase university members to do exchange process for their ownership.
- Help the environment by decrease the waste.
- System help reduces the workforce by handle task and documentation based on electronically rather than on paperwork, which will be more costly.
- Badel is more than a website that only allows the user to donate and exchange the product, for example, such as portable tablets in exchange for laptops.
- It also contains functions such as friend list, profile editing, advertisement of the product and categories of product etc.

#### IV. METHODOLOGY

##### A. System Requirement

The system requirements for Badel Web Application

- Database: Microsoft SQL Server
- Operating System: Window 7
- Integrated Development Environment: visual studio 2010, Microsoft SQL server management studio
- Programming Language : ASP.NET c# , JavaScript , HTML , CSS
- Web server: iis7

##### B. System Design

Software design and implementation is the stage in the software engineering process at which an executable software system is developed for realizing the design as a program.

###### 1) Admin Module

- Can login/logout
- Add, delete or modify the user account
- Add university member information
- Add or view the advertisement
- Delete or stop advertisement
- Add category
- Add department

###### 2) User module

- Can login or logout user
- Update profile
- Search product
- Browse the category of products.
- Receive(exchange/lend/gift) request
- Send (exchange/lend/gift) request
- Stop advertisement
- Add auction

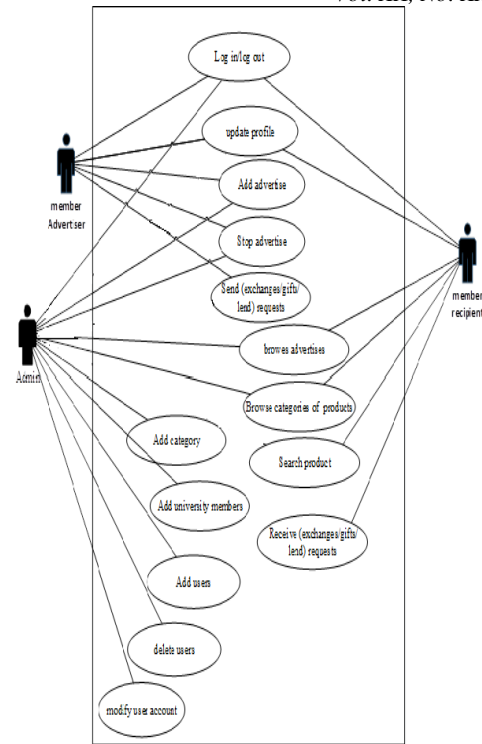


Figure 1 Usecase of Badel

##### C. System implementation

Software design and implementation is the stage in the software engineering process at which an executable software system is developed and accepted by the user.

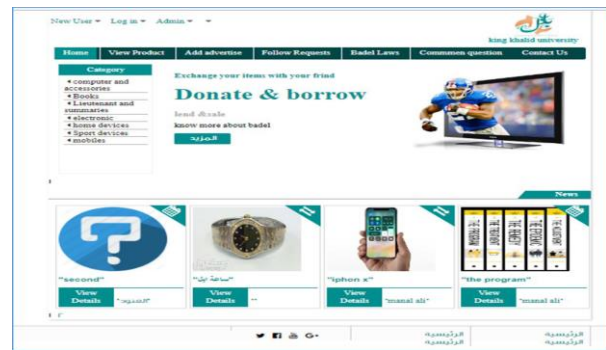


Figure 2 home page

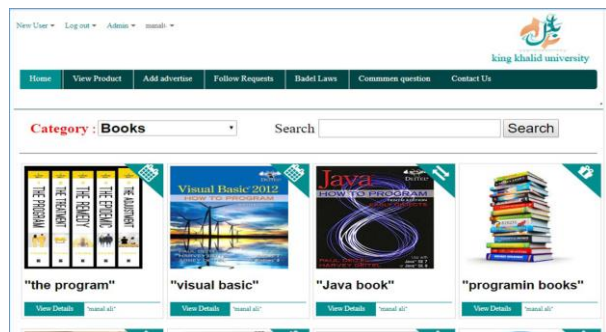


Figure 3 search category interface

#### D. System testing

System testing is a level of software testing where complete and integrated software is tested. The purpose of this test is to evaluate the system's compliance with the specified requirements.

#### E. Conclusion

Badel is a desktop application, which helps and guides the students to exchange their Collectibles or ownership with their university friends. It is a special Auctions system while student shows their ownership details and pictures in order to exchange with other campus friend's ownership, also he or she can lend it or donate to another friend.

This project goes through several steps starting from gathering information and studies that information in order to reach the final objectives and the final solution which required

to be implemented. our own software. Analysis for all of these data, requirements, and methodologies also detailed then.

#### ACKNOWLEDGMENT

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