
Database Laboratory (I) Project Report

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OVERVIEW

The goal of this project is to design and implement a simple platform in demand and return of services and products where users grant other users with their skills, abilities, and commodities (mostly second-handed) and also, employ other's belongings and professions, as well. One is able to ask for specific demands from the qualified to fulfill his or her need.

GOALS

1. Design a system in which both users and providers can communicate and share their profits through a simplified platform for the public.
2. Implementing the platform efficiently to maintain the main goal of this project (database design-wise).

SPECIFICATIONS

For implementing such a service, we may need the tables stated below as the backbone of our database.

1. **User**: This table holds the information uniquely describing one user of the system. It may also contain other optional values. Columns:
 - a. User_ID
 - b. Username
 - c. Description*
 - d. Profile Photo*
 - e. Contact _info_phone
 - f. Contact_info_email
2. **RequestForProduct**: This table holds the description of a particular request for a product. Columns:
 - a. RFP_ID
 - b. User_id
 - c. Description

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- d. Photo
 - e. Date_Posted
 - f. Deadline*
 - g. is_Expired
 - h. Price*
3. **RequestForService**: This table holds the description of a particular request for a product. Columns:
- a. RFP_ID
 - b. User_id
 - c. Description
 - d. Date_Posted
 - e. Deadline*
 - f. is_Expired
 - g. Price*
4. **ProductForSale**: This table holds the description of a sale. Columns:
- a. PFS_ID
 - b. User_id
 - c. Description
 - d. Deadline*
 - e. is_Expired
 - f. Price*
 - g. for_borrow
5. **ServiceSubmission**: This table holds the description of the work. Columns:
- a. SS_ID
 - b. User_ID
 - c. desc
 - d. Description
 - e. Deadline*
 - f. is_Expired
 - g. Price*
 - h. for_borrow