

A brief explanation of how each requirement can be satisfied by the data model

HelpMeOut has two main features and several minor features that can be shown in the data model. They are explained below:

1. Placing a Job ("Beggar"): The User post a job on the website (currently there is no discussion on how many jobs a person can post at once, so for now assume this is a 1 to 1 ratio). The job is in the "Task" Table placed on the website and gets the following attributes added to it, that the user selects: price, description of the job, title of the job, the time frame the job needs to be done by, the category of the job, and if choosers can bid on how much they'd do the project for. Also behind the scenes the following attributes get assigned to it for identification purposes: task id, beggar id, and eventually the chooser's id. Once the job is posted it waits on the dashboard for someone to select it...
2. Selecting a Job ("Chooser"): The User can search a job by price, time frame, or the category of the certain job. After finding a job he/she wants, the chooser selects that job and a notification is sent to the beggar. After both users accept the job, the Chooser gets the task and goes out to complete the job. This flow of User -> Post -> Task -> Accept -> User -> etc.... is the basis for the app and how it functions. Various minor qualities to help the user have been added to this data model
3. A user possesses data about the amount of jobs completed, requested, how fast they are, and how reliable they are. This is stored in the user_data table and is accessed on the user profile. This table allows Beggar's and Chooser's to find out data about a user and whether they would want to take/do a job for them.
4. Users are encouraged to continue completing task and being a helpful member to the HelpMeOut community by being able to earn badges. These badges each belong to a certain category (just like the job posting) and are stored in their own table. These add a gamification aspect to the website that will keep users coming back to use HelpMeOut. These badges can be shown off on the profile page for everyone, Beggars and Choosers, to see.
5. The Bid system is a feature that can be enabled by a Beggar at the time of job creation and is designed to allow Choosers to bid a price on the jobs. This feature is just another convenience for the users and is able to be enabled at the creation of a job. Bid data will be stored on its own table that is connected to the Task table.
6. Connected to the User table is a special Report/Flag table. A user can either be sent here because they are reporting another user or have been reported themselves This data, while connected to the profile is stored on a separate table because of its separate attributes including why the user was reported and the category the report belongs too (along with identification for the report and user itself). This table has been designed for the sole purpose of making sure HelpMeOut has a good community behind it.