

Survey System Data Requirements

Digital Entrepreneurship

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1 Logical Data Requirements

- Permissions are uniquely identified by a permissions id. Name and description must be recorded.
- Users are uniquely identified by a username. First name, last name, email address, create date, friends, cell phone number, and password must be recorded.
- Users can be assigned many permissions, and a single permission can be assigned to many users.
- Questions are uniquely identified by a question id. The question number, title, and text must be recorded.
- Tags are uniquely identified by a tag id. Name, and description must be recorded.
- Questions have one and only one tag, and a tag can describe many questions.
- Users can create many surveys, and a survey can be created by one and only one user. The create date of the survey must be recorded.
- A survey is uniquely identified by a survey id. Survey title, and description must be recorded.
- A survey has many questions, and a specific question may be contained in one and only one survey.
- Answers are uniquely identified by an answer id. Answer value must be recorded.
- Questions have many answers, and an specific answer may be given for multiple questions.
- Survey Instances are uniquely identified by a combination of instance id, and the survey that it's an instance of.

- A User can initiate many instances of a survey, but an instance can be initiated by one and only one user. Start date of the survey instance must be recorded.
- Instances of surveys contain many answers, and answers can be associated with many instances of a survey.

2 Entity Relationship Diagram

