

# CSDS 341: Final Project Initial Report

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## 1 Background

Questionnaires and surveys are very important for understanding and shaping the world. The United States uses the Census and the American Community Survey to understand how the country is changing and to make decisions about how to allocate its resources. Researchers use questionnaires for scientific studies to understand both the social and natural worlds. Psychologists in particular make great use of Likert scales in questionnaires to help build our collective knowledge. Until recently, however, the technologies for creating, collecting, and analyzing questionnaires did not exist. The Internet now allows for the possibility of giving people the power to create their own questionnaires and distribute them easily. Our project allows for the convenient creation of questionnaires and answering of questionnaires. Additionally, we allow for analysis of data to an advanced degree that is not available in most extant questionnaire and survey websites.

## 2 Data Description and Schemas

### Entities

```
Users(user_id INT,  
first_name CHAR(30),  
last_name CHAR(30),  
email CHAR(50)  
PRIMARY KEY(user_id)  
)
```

This entity represents users of the questionnaire website. All types of users, including people who create questionnaires or answer questionnaires, are in this table.