

SurveyProject Intro

The survey project is used to allow a user to take and view surveys which are created by admins and instructors. The surveys contain a topic and several questions along with responses that users can choose.

SurveyProject Description/Rules

The survey project works by doing the following

- Login in using an admin account
- Create one or two surveys for users to take and for admins to view the response to those surveys. Once the surveys have been created a user can go in and start taking surveys
- Some things to be aware of when using the Survey Project is that there is no validation check so please do not put any values that would cause an error such as decimals or skipping input when prompted for.

The program begins by prompting the user to sign in or to exit the program if the user doesn't have an account then they can input some information and then be prompted to make a new account. Once the user has logged in they are now presented with 3 options and those three options are to view account details such as username and password, view current surveys, and finally sign out. For option one the user will be able to view their account details. Option 2 allows users to take a survey.

Once they select this option they are presented with 3 more options and those options are as follows, take a survey, view a survey's questions, and finally return back to the main menu. If the user selects option one they are prompted to type in the survey id of the survey which they would like to take once they type in the id they are then shown the questions and responses in the survey and are prompted to select a response for the question they are currently presented with. This information is then stored and saved for admins to view later.

If the user selects option 2 then they are prompted to type in the survey id of the survey's questions which the user would like to view, the questions are then printed. If the user selects option 3 then they simply return back to the main menu.

Pseudo Code

Main

```
//creating user and admin objects  
//creating survey engine  
//storing user and admin info  
//launching menu
```

SurveyAdmin

```
//Initialize survey admin object  
//return admin name  
//return admin password  
//Function that creates a survey  
//Admin function to view current Surveys  
//Admin function to view questions in a survey  
//Admin function to delete survey questions  
//Admin function to add questions to a survey  
//Admin function to edit a survey  
//Admin function to delete a survey  
//Admin function to view users  
//Admin function to delete users  
//Admin function to edit user information  
//Admin function to view user response to survey  
//Admin function to set survey information
```

SurveyEngine

```
//Survey Engine Constructor  
//Survey Engine admin menu function  
//Survey Engine menu function  
//Survey Engine bool function to check if user is in the system  
//Survey Engine bool function to check if admin is in the system  
//Survey Engine function to create an account  
//Survey Engine to set an admin while the program is running  
//Survey Engine to set a user while the program is running  
//function to view Surveys in the system  
//Function to store admin information
```

```
//Function to store user information  
//Function to pass survey info
```

SurveyClass

```
//String topic;  
//Int survey ID  
//Int number of questions  
//vector of survey questions  
//Return topic  
//Return survey ID  
//Return number of questions in survey  
//Return vector of Survey Questions  
//Set vector of Survey Questions  
//Set number of questions  
//Survey Question class constructor  
//Set userResponse vector  
//Default Survey QUestion constructor  
//Get vector of Survey responses  
//Get Survey main question  
//Get vector of user response
```

SurveyUser

```
//User Class constructor  
//User function to display account details  
//Return username  
//Return user password  
//Set username  
//Set user password
```

