

## Use Case Descriptions:

### 1. Use Case: Calculate Scores

- Primary Actor: System
- Goal in Context: The application tallies up the score a user gives for each category.
- Preconditions: The user has submitted a filled-out survey.
- Trigger: User clicks the “submit” button.

#### Scenario:

- User opens up the application.
- User fills out the survey.
- User clicks the “submit” button.
- System traverses the user's responses.
- System adds up the appropriate score based on the user's answer for the respective category.

#### Exception:

- User did not answer every question: A pop-up notifies the user where they left a blank response.

### 2. Use Case: Identify the Top Three Social Issues With Highest Scores.

- Primary Actor: System
- Goal in Context: Find the three categories with the highest scores.
- Preconditions: The user's scores have been tallied up.
- Trigger: User clicks the “submit” button.

#### Scenario:

- User fills out the survey.
- User clicks the “submit” button.
- System adds up the appropriate score based on the user's answer for the respective category.
- System compares the total scores of each category with one another.
- Top three categories with the highest scores are defined.

#### Exceptions:

- 2-3 categories have identical scores: System will still only pick three categories with the highest scores.
- 3+ categories have identical scores: Each category will have its own page of questions. So, if more than three categories have identical top scores, then the system can traverse the order of the categories and pick the first three found.

### 3. Use Case: Customize Results Page

- Primary Actor: System
- Goal in Context: Change the contents of the application's results page based on user input.
- Preconditions: The user's scores have been calculated.
- Trigger: Top three scores are successfully defined.

#### Scenario:

- User fills out the survey.
- User clicks the "submit" button.
- System adds up the appropriate score based on the user's answer for the respective category.
- System displays a summary of each total score for all five categories.
- System searches for the three highest scores.
- Information about each highly-scored category is displayed on the results page in the following order:
  - i. Name
  - ii. Information
  - iii. Sources

#### Exception:

- All categories have the lowest/highest possible scores (there are no top three categories): Each category will have its own page of questions. So, if more than three categories have identical top scores, then the system can traverse the order of the categories and pick the first three found.