Team 3 (The Poll Project)

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## Preface

| Version | Date | Changes |
| --- | --- | --- |
| 1.0 | 3/14/2024 | * Added following sections for initial version of Document:   + Cover Page   + Preface   + Version History   + Purpose   + Audience   + Introduction   + Project Overview   + Project Goals   + User Requirements and Use Cases |
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### Purpose

The document “CECS 443 The Poll Project Document” serves as a comprehensive guide for the development and understanding of the software project titled "The Poll Project".

### Audience

The intended audience of this document includes project stakeholders, developers, testers, and anyone involved in the project lifecycle.

## Introduction

### Project Overview

Due to the large size of the campus, a pressing issue at CSULB is the inability to find fun activities or locations on campus. “The Poll Project” intends to change this problem. "The Poll Project" involves the development of a rating and polling application specifically designed for CSULB students. It enables registered users with a valid CSULB ID to anonymously post and engage in reviews, ratings, and polls related to campus entities such as labs, events, food establishments, cafes, and concerts thus providing CSULB students a way to find and discuss locations and events.

### Project Goals

* Improve navigating through campus.
* Provide a platform for CSULB students to anonymously post and participate in reviews and ratings for various campus entities.
* Have an informed student community of facilities.
* Provide real-time reporting capabilities.
* Develop a robust system architecture with scalable features to accommodate future enhancements and expansions.

## Glossary

* **CSULB:** California State University, Long Beach
* **Poll:** A questionnaire designed to gather opinions or preferences from users on campus-related topics, typically consisting of multiple-choice questions.
* **Rating**: An evaluation given by users to specific entities on campus, such as labs, events, food establishments, cafes, and concerts, typically on a scale with an arbitrary number of points.
* **Review:** An anonymous commentary provided by users regarding their experiences with specific entities on campus, including labs, events, food establishments, cafes, and concerts.
* **Campus Entity:** A restaurant, building, or other operation on campus. For example, the Outpost Grill, Liberal Arts-4, or the CSULB library.

## User Requirements and Use Cases

### User Stories

| **Identifier** | **User Stories** |
| --- | --- |
| US - 1 | As a registered user, I want to log in securely so that I cannot be held responsible for someone else’s actions, so I can ensure the security of my account. |
| US - 2 | As a CSULB student, I want to anonymously post reviews and ratings for campus entities, so I can share my experiences with others. |
| US - 3 | As a CSULB student, I want to participate in polls about campus-related topics, so I can contribute to campus discussions. |
| US - 4 | As a CSULB student, I want to view reviews and ratings for different campus entities, so I can make informed decisions about my campus experiences. |
| US - 5 | As a CSULB student, I want to search for reviews and ratings by named entities and categories, so I can find information about specific campus entities easily. |
| US - 6 | As a CSULB student, I want to vote on the usefulness of polls and ratings, so I can provide feedback to the community about their relevance. |
| US - 7 | As a CSULB student, I want to ensure that only useful polls and ratings are displayed, so I can access valuable information efficiently. |
| US - 8 | As a CSULB student, I want to share unique links to polls and ratings, so I can easily distribute them among my peers. |
| US - 9 | As a CSULB student, I want to configure the type of questions I post, so I can choose which question I want to display. |
| US - 10 | As a CSULB student, I want to configure the lifetime of questions I post, so I can either delete not needed posts or crucial posts. |

| **Identifier** | US - 1 |
| --- | --- |
| **Purpose** | Allow users to have an account of their own to have a more personalized experience with the application |
| **Requirements** | * User must register an account tied with their CSULB email * Must provide an username and password to log in |
| **Development Risks** | None |
| **Pre - Conditions** | User must not have any existing account |
| **Post - Conditions** | Allowed access to features for registered users only |

| **Identifier** | US - 2 |
| --- | --- |
| **Purpose** | Allows users to post reviews and ratings so that their opinions are expressed to others either by a description or by assigning an arbitrary value on a scale . |
| **Requirements** | * For a review they must submit a description of the location/facility * For a rating they must submit a value that is on a scale of of an arbitrary # * If they have already submitted an review or rating of a facility/location it will overwrite the existing review or rating |
| **Development Risks** | None |
| **Pre - Conditions** | * Must be registered and is signed in * Must on the rating or review feature view of the facility/location they wish to post |
| **Post - Conditions** | * Their review or rating is anonymously displayed on the facility/location |

| **Identifier** | US - 3 |
| --- | --- |
| **Purpose** | Allow user to vote in polls about campus-related topics |
| **Requirements** | * User must open the poll by clicking on it * User must choose one of the options and click submit for their vote to be counted * Results of poll immediately displayed after vote submitted |
| **Development Risks** | None |
| **Pre - Conditions** | * User must have a registered account * User must be logged in * Poll must be successfully created * Poll must be available for voting ie. votes should not exceed vote threshold |
| **Post - Conditions** | * Results of poll immediately displayed after user submits vote |

| **Identifier** | US - 4 |
| --- | --- |
| **Purpose** | Allow user to view review and ratings for different campus entities |
| **Requirements** | * User should be able to view a list of different campus entities * User should be able to click a campus entity and view the entity’s reviews as well as related polls (e.g entity is an option in one of the polls) |
| **Development Risks** | None |
| **Pre - Conditions** | * User must be registered * User must be logged in * Campus Entity must be successfully created |
| **Post - Conditions** | * User should view a list of campus entities * On campus entity page, rating of entity, out of an arbitrary number, should be displayed * On campus entity page, polls made about this entity should be displayed |

| **Identifier** | US - 5 |
| --- | --- |
| **Purpose** | Allow user to search for reviews and ratings for specific campus entities by named categories and entities. |
| **Requirements** | * User should be able to search for specific entities by name. * User should be able to search for specific categories and see a list of related campus entities. |
| **Development Risks** | None |
| **Pre - Conditions** | * User must be registered. * User must be logged in * Campus Entity must be registered * Campus Entity must be registered in a category |
| **Post - Conditions** | * User should see the specific entity that they searched for. * User should see a list of the entities in the category they searched for. |

| **Identifier** | US - 6 |
| --- | --- |
| **Purpose** | Allow the user to leave a vote on the usefulness of polls and ratings. |
| **Requirements** | * User should be able to like a poll if they find it useful. * User should be able to dislike a poll if they do not find it useful * User should be able to like a rating if they find it useful. * User should be able to dislike a rating if they do not find it useful |
| **Development Risks** | None |
| **Pre - Conditions** | * User must be registered. * User must be logged in * Rating must be left on a registered entity * A poll must exist and be available to users. |
| **Post - Conditions** | * The user’s vote should be visible on the page of the entity that the rating was left on. * The vote should be attached to the rating they voted on. * The vote should be attached to the poll they voted on. |

| **Identifier** | US - 7 |
| --- | --- |
| **Purpose** | Ensure that a user is only given useful polls or ratings |
| **Requirements** | * Polls or ratings with high helpfulness ratings should always be displayed * Polls or ratings with low helpfulness ratings should not be visible (Qualifications for "low" are pending until discussion with stakeholders) |
| **Development Risks** | * If not implemented directly, we may not be able to see some useful polls or ratings which could affect user opinions (Low risk) |
| **Pre - Conditions** | * User must be logged in * User must be on a view that displays polls or ratings * There must be a rating with a "Low helpfulness score" present |
| **Post - Conditions** | * Low helpfulness polls or ratings should not be present * All other polls or ratings will be present and viewable * If the only poll or rating available is not present, then there will be no polls or ratings visible |

| **Identifier** | US - 8 |
| --- | --- |
| **Purpose** | The user should be able to distribute polls or ratings they deem to be notable or important |
| **Requirements** | * The user sharing a poll or rating is logged in and authenticated * The user receiving the poll or rating should have an account and be logged in and authenticated * There is a poll or rating present that the user can share * The poll or rating should be accessible and viewable by both parties |
| **Development Risks** | None |
| **Pre - Conditions** | * User 1 (the sender) is currently viewing a poll or rating * User 2 (the receiver) is using and authenticated within our app |
| **Post - Conditions** | * User 2 is capable of accessing the specific poll or rating within our app |

| **Identifier** | US - 9 |
| --- | --- |
| **Purpose** | Configure the type of question based on user preference |
| **Requirements** | * User must be able to choose between a rating or polling question |
| **Development Risks** | * Limits user to only having 2 types of posts |
| **Pre - Conditions** | * User must have a internet connection * User must be registered with application * User must be logged in * User must be creating a post. |
| **Post - Conditions** | * User is able to configure attributes related to the question type they selected * Users are able to post questions after filling required fields. |

| **Identifier** | US - 10 |
| --- | --- |
| **Purpose** | Configure the lifetime of questions based on their type. |
| **Requirements** | * When a rating question type exceeds 50 vote threshold , the questions stays open forever * Polling questions remain visible forever unless deleted by the user who owns the question. * User can delete polling questions * User can delete valid rating questions |
| **Development Risks** | * Polling questions that are considered trolling or hateful and receive over 50 votes will remain on platform * User can’t delete rating questions if over 50 votes even if not relevant anymore |
| **Pre - Conditions** | * User must have a internet connection * User must be registered with application * User must be logged in * User must either have a existing polling or rating question |
| **Post - Conditions** | * If the rating question exceeds the 50 vote threshold, the question will not be able to be deleted. * If user deletes polling or valid rating question, question should be deleted from view and database |

### US - 2 Course of Action

***Table 1: Typical Course of Action***

| Seq# | Actor’s Action | System’s Response |
| --- | --- | --- |
| 1 | On a resource page, an authenticated user inputs a rating or review for the resource. |  |
| 2 | The authenticated user selects submit to upload their rating or review. |  |
| 3 |  | The system processes the rating or review inputted by the student. |
|  |  | The accepts their input and adjusts the resource’s overall rating or displays their review. |
|  |  | The adjustment is updated on the resource’s page. |
|  |  |  |

***Table 2: Alternate Course of Action***

| Seq# | Actor’s Action | System’s Response |
| --- | --- | --- |
| 1 | On a resource page, an authenticated user inputs a rating or review for the resource. |  |
| 2 | The authenticated user selects submit to upload their rating or review. |  |
| 3 |  | The system processes the rating or review inputted by the student but detects they have already given a rating or review for the resource. |
|  |  | The system overwrites the old entry with the new review or rating of the resource |
|  |  | The adjustment is updated on the resource’s page. |
|  |  |  |

***Table 3: Exceptional Course of Action***

| Seq# | Actor’s Action | System’s Response |
| --- | --- | --- |
| 1 | On a resource page, an authenticated user inputs a rating or review for the resource. |  |
| 2 | The authenticated user selects submit to upload their rating or review. |  |
| 3 |  | The system processes the rating or review inputted by the student. |
|  |  | The system does not accept the input |
|  |  | An error message will be displayed that their input was not accepted and to try again later |
|  |  |  |