Team 3 (The Poll Project)

1. **Jason Barber**
   - **Student ID**: 025979653
   - **Email**: jason.barber01@student.csulb.edu
2. **Giovanni Contreras**
   - **Student ID**: 016465993
   - **Email**: giovanni.contreras@student.csulb.edu
3. **Angeline Dequit**
   - **Student ID**: 027608501
   - **Email**: angeline.dequit@student.csulb.edu
4. **Ninjin Odkhuu**
   - **Student ID**: 025765218
   - **Email**: ninjin.odkhuu@student.csulb.edu
5. **Jesus Cerda**
   - **Student ID**: 029148637
   - **Email**: Jesus.cerda01@student.csulb.edu

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

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