We Go to Cal State LA
Software Requirements Specification (SRS)

Version 2
Group 7
Pacific Clinics
12/11/25

Contents

Version Description

Version	Date	Description
1.0	9/12/25	Initial draft created
1.1	11/15/25	Checkpoint 1 revisions added (Snapshot 2)
1.2	11/29/25	Checkpoint 2 revisions added (Snapshot 3)
2.0	12/11/25	Final Checkpoint revisions added (Snapshot 4)

Table 1: Version Description Table

1 Introduction

1.1 Purpose

The purpose of this document is to define the software requirements for the initial release of the We Go to Cal State LA platform. This Software Requirements Specification (SRS) serves as the foundational reference for the development team, and collaborators, outlining both the functional and non-functional requirements.

- Developers: To understand the system functionality and technical requirements that must be implemented.

- Project Managers: To track project progress, align technical efforts with business goals, and manage scope.

- Testers: To design test cases and validate system behavior based on defined requirements.

- Technical Writers: To produce user documentation, help guides, and support materials based on feature specifications.

- Clients and End-Users: To confirm that their expectations, preferences, and functional needs are accurately represented.

1.2 Audience

The intended audience for this document includes the development team, project managers, and any other parties involved in the creation and deployment of the We Go to Cal State LA platform.

1.3 Overview

The We Go to Cal State LA platform is designed to enhance student well-being by serving as a centralized hub for educational resources, surveys, and interactive engagement with health professionals. The platform focuses on accessibility, personalization, and holistic support, with a mobile-first design that prioritizes ease of use across all devices.

2 External Interface Requirements

2.1 User Interfaces

The We Go to Cal State LA application provides a consistent and user-friendly interface designed to meet the needs of a diverse user base, including students, family members, and health professionals. All interface elements are built with accessibility, clarity, and ease of navigation in mind.

- **Accessibility:** All user interfaces will comply with WCAG 2.1 guidelines to ensure usability for individuals with disabilities, including screen reader support, high-contrast modes, and appropriate tab navigation.

- **Screen Layout:** Each screen will follow a consistent visual hierarchy, including a persistent navigation bar, header, and footer when applicable.

- **Standard Features:** The UI will include help icons, error and confirmation messages, modals, and tooltips that follow universal design best practices.

Snapshot 2 Revision

Based on Snapshot 2 objectives, the following user-interface-related requirements were added or modified:

- Implementation of PHQ-9 and GAD-7 mental health assessments, requiring dedicated assessment screens.

- Creation of prototype layouts for the chatbot screen and resource hub.

- Establishment of the initial navigation structure across major app sections.

- Refinement of the UI direction based on early student survey feedback.

Snapshot 4 Revision

The Snapshot 4 checkpoint focused on stabilizing the application and preparing it for final delivery. Key updates and refinements include:

- Finalization of core features, including chatbot interactions, quizzes, and wellness resources.

- Identification and resolution of bugs and usability issues across the platform.

- Enhancement of visual components, including interface styling and layout adjustments to improve user experience.

2.2 Software Interfaces

The We Go to Cal State LA platform integrates a variety of software components and services to support authentication, data management, content delivery, and external system interoperability. The following outlines key software interfaces and integration details:

- **Cloudflare D1 (SQLite-based Database):** Utilized for serverless, lightweight data storage with support for structured queries and efficient data retrieval.

- **Amazon Cognito:** Provides user authentication, secure session management, and real-time data synchronization.

- **React Native Framework (via Expo):** The core frontend framework enables cross-platform compatibility for both iOS and Android.

- **Expo Video Library:** Used to host and stream educational and onboarding video content.

- **API Integrations:** The platform will integrate with third-party APIs for additional functionalities, such as mental health resources, educational content, and analytics tracking.

Snapshot 3 Revision

Snapshot 3 objectives introduced major backend and functional enhancements:

- Expansion of mental wellness features, including mood check-ins requiring new data models.

- Implementation of backend logic through AWS and Cloudflare for secure data storage and retrieval.

- Development of the chatbot prompting structure, including safeguards for safety-related responses.

- Additional user interface improvements based on iterative feedback.

3 Legal and Ethical Considerations

3.1 Data Privacy

To respect user privacy and meet legal and ethical standards, the platform will minimize data collection. Wherever possible, data will be stored locally on the user's device (e.g., for personal survey results). For essential backend data processing, a serverless model is adopted using AWS Lambda functions—a scalable, event-driven compute service that is free within certain usage limits. This ensures user information is protected while keeping backend complexity low.

3.2 Legal/Ethical Issues

The We Go to Cal State LA platform is guided by ethical principles that ensure fair, transparent, and inclusive access to wellness resources. These principles safeguard user trust while upholding the integrity of the capstone project's objectives.

- All data handling practices must comply with the California Consumer Privacy Act (CCPA) and other applicable privacy laws.

- The system shall adhere to the Family Educational Rights and Privacy Act (FERPA) to safeguard student records and ensure that only authorized individuals have access to educational information.

- The platform shall collect only the minimum amount of data required for its functionality, avoiding storage of any unnecessary or overly sensitive information.

- All user data shall be encrypted in transit and at rest, with access restricted by strict role-based controls.

- Upon project completion, data will not be retained or repurposed, unless additional user consent is obtained.

4   Glossary

Term	Definition
UI	User interface
SRS	Software Requirements Specification
API	Application Programming Interface
AWS	Amazon Web Services, cloud platform used for backend operations.
AWS	Amazon Web Services, cloud platform used for backend operations.
AWS Lambda	Serverless compute service used to run backend functions without managing servers.
CCPA	California Consumer Privacy Act, regulates privacy and data protection for California residents.
Chatbot	Automated conversational system that provides guidance, information, and safety responses.
Cloudflare D1	Cloudflare's lightweight SQLite-based serverless database used for application storage.
Cognito	Amazon Cognito authentication service for managing user login and security.
Expo	Development platform for React Native used to build iOS and Android apps.
Expo Video Library	API for rendering video content inside the mobile application.
GAD-7	A 7-item anxiety screening questionnaire used to assess levels of generalized anxiety disorder.
Mood Check-In	Feature that allows users to log emotional status and track mental wellness over time.
Navigation Structure	The organizational layout determining how users move between screens.
PHQ-9	A 9-item depression assessment tool widely used in mental health screening.
Prototype Layout	Preliminary UI mock-ups used to design the structure of app screens.
React Native	Framework used to build mobile applications for iOS and Android using JavaScript.
Resource Hub	Centralized section providing wellness resources, links, and supportive tools.
SQLite	Lightweight relational database format used by Cloudflare D1.
Stability Testing	Process of identifying bugs, crashes, and performance issues before release.
WCAG 2.1	Web Content Accessibility Guidelines, standards ensuring digital accessibility.