Telehealth Platform Pseudocode Documentation

Introduction

This documentation provides an overview of the pseudocode for a Telehealth Platform. It outlines the key components and their interactions in the platform.

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1. User Authentication and Authorization

• User Class

• login(username, password): Authenticates a user.

• register(user\_info): Registers a new user.

2. Severity-Based Routing

• SeverityAssessment Class

• assess\_severity(message): Analyzes the user’s initial interaction to determine the severity of their condition.

3. Intermediary Connection

• Intermediary Class

• connect(user, intermediary\_type): Connects a user to a qualified intermediary, such as a nurse.

4. Live Summary Generation

• LiveSummary Class

• generate\_summary(user\_data): Generates a live summary of the user’s information.

5. Doctor Connection for Critical Cases

• Doctor Class

• connect(user): Facilitates real-time audio/video calls with a doctor for critical cases.

6. Cross-Platform Accessibility

• MobileApp Class

• access\_platform(): Allows users to access the telehealth platform on a mobile device.

• WebApp Class

• access\_platform(): Allows users to access the telehealth platform on the web.

7. Regional Language Support

• LanguageSupport Class

• translate(text, target\_language): Translates text to the target language.

8. Main Application

• In the main application section, we demonstrate how the various components work together to provide telehealth services. It includes user authentication, interacting with a chatbot, assessing severity, and connecting users to intermediaries or doctors based on the assessed severity.