CSC667 Term Project Milestone 1 & 2 Team F

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Milestone 1: Web Application Concept and Wireframes

Term Project Goal

Specification

1. Project specifications

a. Features

- i. User Authentication
 - 1. Create accounts for users.
 - 2. Implement user login and logout functionality.
- ii. Game Setup
 - 1. Allow users to create a new Uno game.
 - 2. Enable users to invite friends to join a game.
 - 3. Provide options to set game rules, including the number of cards to start with and scoring rules.
- iii. Real Time Chat (Required)
 - 1. Enable real-time chat on the game creation page (home page after authentication).
 - 2. Implement chat within each game room for users participating in a game.
- iv. Game Logic
 - 1. Implement game logic for Uno:
 - a. Dealing cards to players.
 - b. Managing the draw pile, discard pile, and player hands.
 - c. Enforcing game rules, for example matching colors or numbers.
- v. Player Actions
 - 1. Allow players to play cards from their hand.
 - 2. Implement the ability to draw cards from the draw pile.
 - 3. Enable players to "Uno" when they have one card left.
- vi. Scoring and Winning
 - 1. Calculate and display scores for each player.
 - 2. Determine the winner when a player has no cards left.
- vii. Multiplayer Support
 - 1. Support real-time gameplay with multiple players.
 - 2. Implement chat functionality for communication among players.
- viii. Game State Management
 - 1. Implement the ability to save and load game state, allowing players to continue their games later.

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- ix. AI Opponents (optional)
 - 1. Implement computer-controlled opponents for single-player games.
- x. Game Notifications
 - 1. Notify players about game events, such as:
 - a. Their turn
 - b. Skipped turns
 - c. Draw cards
 - 2. User Profile and Statistics
 - 3. Display user profiles with gameplay statistics.
- b. Technologies
 - i. Render
 - ii. Node.js
 - iii. Express.js
 - iv. Postgres
- c. Development Process

2. Wireframes









