**Project Proposal: Car Racing Game in C# Windows Forms**

**Project Title: Speedy Drive: Coin Collector**

**Project Overview:** We, Usman, Saim, Arghaan, and Kashif, propose to develop "Speedy Drive: Coin Collector," a captivating car racing game using C# Windows Forms. Players will control a car navigating through an adventurous track, collecting coins to increase their score while avoiding collisions with other cars.

**Key Features:**

1. **Car Movement:**
   * Responsive left and right movement via keyboard inputs for an immersive experience.
   * Smooth and intuitive controls to enhance gameplay.
2. **Coin Collection:**
   * Strategically place coins throughout the track for players to collect.
   * Each collected coin will augment the player's score, encouraging engagement.
3. **Speed Control:**
   * Utilize the up and down arrow keys to control the car's speed.
   * Introduce acceleration and deceleration for realistic driving dynamics.
4. **Collision Detection:**
   * Incorporate accurate collision detection between the player's car and track obstacles or other cars.
   * Offer a restart option upon collision, ensuring a seamless gaming experience.
5. **Scoring System:**
   * Display the player's score prominently during gameplay.
   * Update the score dynamically with each collected coin, fostering a competitive spirit.

**Development Approach:**

* **Planning Phase:** Define game mechanics, assign specific tasks to team members.
* **Coding Phase:** Utilize C# Windows Forms for game development, focusing on core functionalities.
* **Testing and Debugging:** Rigorous testing to ensure smooth and bug-free gameplay.
* **UI/UX Enhancement:** Design an intuitive user interface for easy navigation and an immersive gaming experience.

**Revised Timeline:**

* **Week 1:** Define game mechanics, initial setup, and basic car movement.
* **Week 2:** Advanced car movement, collision detection implementation.
* **Week 3:** Coin collection, scoring system integration, and speed control implementation.
* **Week 4:** UI design, testing, debugging, final polishing, documentation, and submission.

**Conclusion:**

"Speedy Drive: Coin Collector" promises an engaging racing experience. Our team is dedicated to delivering a high-quality game within the set timeframe, ensuring a fun and memorable gaming adventure.

Thank you for considering our proposal.

Sincerely, Usman, Saim, Arghaan, Kashif