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Project Requirements

This document will list the requirements for our educational game, *FlashCars*, a trivia race.

Requirements:

1. The game will feature a car racing theme where players answer trivia questions to progress along a race track.
2. There will be various subjects for players to choose from, including Math, Science, and History at a 4-5th grade level.
3. Each subject will contain two difficulties from which the player can select.
4. The game will display:
 - 4.1 A race track background with a car avatar representing the player.
 - 4.2 A question.
 - 4.3 Multiple-choice answer options below the question.
5. Players will answer questions to move their car forward on the track:
 - 5.1 A correct answer will move the car a set distance.
 - 5.2 For an incorrect answer, the car will remain stationary.
6. The game will track player's time and display upon winning the race.
7. The game will end after a set amount of questions are answered correctly.
 - 7.1 This will be shown by the player reaching the finish line.
 - 7.1 This will bring the player to another screen with a congratulatory message.
8. The game will store player data; including name, username, and password
 - 8.1 The password will be stored as a sha256 hash.