

# Fruit Ninja (Game)

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**Description:-** We have to recreate the Fruit Ninja game in 2D using HTML, CSS, JavaScript, and Firebase (to take care of user authentication and leaderboard).

## **Features:-**

- The game will end on missing 3 fruits.
- The game will end on slicing through a bomb.
- The cursor should change to a knife and the fruits should burst when sliced.
- A user authentication system and leaderboard using Firebase.
- Sound Effects while slicing the fruits.

## **Technology stack:-**

- HTML
- CSS
- JavaScript
- Firebase
- Visual Studio Code

## **Brief Implementation Details:-**

- I will employ HTML for the game's primary interface design and CSS to ensure responsiveness along with visual appeal. With JavaScript, I will implement basic game logic such as generating fruits, slicing, scoring, etc. Moreover, I will integrate Firebase into the game for user authentication and management of leaderboards for better management of user data and maintain a record of high scores.

## **Week-Wise Timeline:-**

### **Week 1:**

- Set up project structure.
- Create the basic game interface using HTML and CSS (canvas and scoreboard).
- Implement basic fruit spawning and slicing mechanics with JavaScript.

### **Week 2:**

- Refine game mechanics: projectile motion, scoring, and game over conditions.
- Add bombs to the gameplay.
- Introduce basic slicing animations and sound effects.

**Week 3:**

- Set up Firebase Authentication for user sign-up and login.
- Implement the logic for leaderboards.
- Design and display the leaderboard UI.

**Week 4:**

- Improve visual effects and slicing animations.
- Add final sound effects and background music.
- Test the game thoroughly and make final adjustments.

**About Me:-**

- I am an ambitious student with an interest in web development and game design. Though I have experience in handling HTML and CSS, I am currently learning JavaScript and Firebase. This project gives me the excitement to put everything into action while learning even more.

**Why Should I Be Chosen?**

- Although I am in the learning phase, I am positive that I can contribute efficiently to this project. Building interactive applications is something I have a very strong passion for, and I am committed to delivering quality work. That is what makes me so strong for this role, being enthusiastic along with a desire to learn and grow.

**Commitments**

- I am committed to dedicating 3-4 hours daily to this project. In case of any unexpected commitments, I will ensure timely communication to manage the schedule effectively.

**Contact Details:-**

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