

■ Project Setup Summary — Wavelength Game (Local Version)

for the 'Than's Games' web app

Folder Structure

```
/second_brain
    index.html ← homepage showing all games
    /pages ← static info pages
        about.html
        faq.html
        rules.html
        wavelength-how-to.html
    /games ← individual game folders
        game1.html ← main menu for Wavelength
        wavelength-local.html ← local gameplay page
    /css
        style.css ← all styles (shared + game-specific)
    /js
        main.js ← homepage logic (optional)
        game1.js ← menu page JS
        wavelength.js ← main game logic
    /assets
    /images ← game preview thumbnails etc.
```

HTML Overview

index.html — Homepage displaying all game cards in a grid.
games/game1.html — Game menu page (Local, Multiplayer, How to Play, Exit).
games/wavelength-local.html — Local gameplay screen with full logic and controls.
pages/wavelength-how-to.html — Simple page explaining the game rules.

CSS Overview

- Global layout and design (header, footer, homepage grid).
- Game-specific: .wavelength, .zone-bg, .zone-bars, .blocker, .score, .score-animate.
- Includes animation for score pop-up and smooth transitions.

JavaScript Overview

game1.js: Handles navigation and popups on the game menu.

wavelength.js:

- Random category selection from an array of pairs.

- Random horizontal shifting of scoring zone (bars).
- Show/hide blue overlay using opacity.
- Submit logic that calculates distance, assigns score (4,3,2,0), and updates total.
- Animated score update using CSS transitions.
- Reset function clears slider and score.

Gameplay Flow

1. Press 'New Category' to generate a random pair.
2. 'Random Goal' moves the hidden scoring zone.
3. 'Show/Hide' reveals the zone for the Hinter.
4. Guesser uses slider to guess, then presses 'Submit'.
5. Points awarded based on proximity to center.
6. 'Reset' starts a new round.

Reusing Structure for New Games

1. Duplicate the existing Wavelength files and rename them (e.g., game2.html, game2-local.html).
2. Update JS file names and links accordingly.
3. Use the same folder structure and link new images on homepage.
4. Extend functionality as desired while maintaining shared style.css and layout consistency.