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GG (—it's cooked)

SoftDev

P02

2025-1-16

Time Spent: 24 hours

Target Ship Date: 2025-01-17

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### Description:

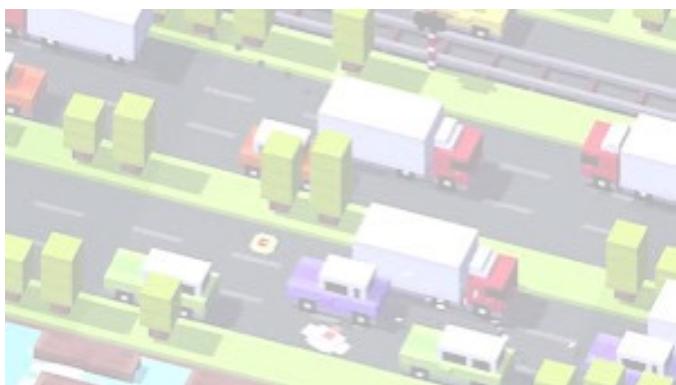
We are replicating the game Crossy Road. Use WASD or  $\leftarrow\uparrow\rightarrow\downarrow$  to cross the road with your chicken 🐔. Avoid getting run over by cars and hop between logs to avoid drowning. If you die, GAME OVER!

Different game modes [highway] [ocean] [classic] are offered, each changing the terrain and difficulty. Highway only spawns roads and is the easiest, ocean only spawns logs and is the hardest, while classic mixes both with grasslands that are safe to walk on.

Enjoy soothing music that changes to match the game mode.

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### Roles:

Jessica (PM) - SQLite Database

Tracy - Flask Database

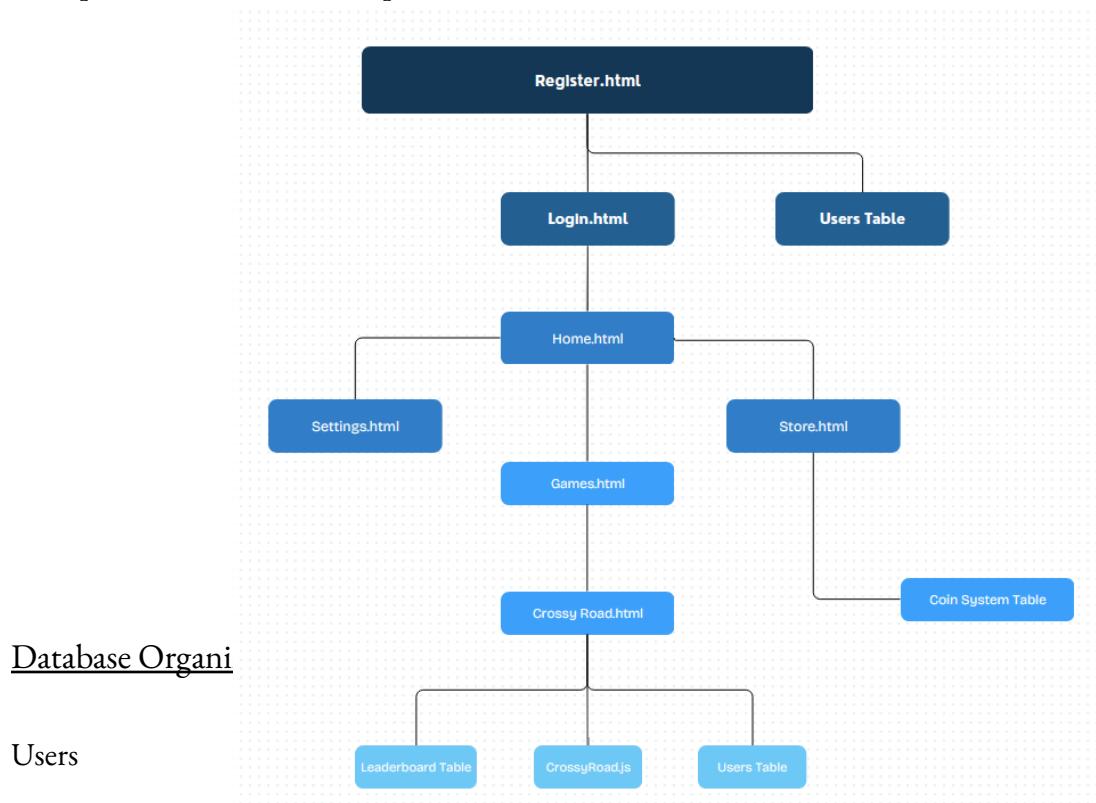
Kevin - Javascript

Tiffany - HTML & CSS (Design, Front-end)

## Components:

- User Accounts
  - User Sessions/Login/Logout
- Flask Routes
  - Route to main page with Leaderboard/Settings/Games
  - Route to Login/Register/Logout
  - Route to Game page which displays game options
- SQLite Database for storing user info
  - User(TEXT username, TEXT password, TEXT character [unused], LIST unlockedChars [unused], INTEGER points, INTEGER highscore, TEXT musicPref [unused], TEXT message)
  - Themes(TEXT username, TEXT theme, TEXT color1, TEXT color2)[unused]
- Javascript
  - Keyboard commands to control movement
  - Generate map whenever the chicken moves forward
  - Generate rivers and roads
  - Change music

## Component Interaction Map:



## Database Organization:

Users

Username	Password	Character	UnlockedChars	Points	Highscore	MusicPref	Message
TEXT	TEXT	TEXT	TEXT	INT	INT	TEXT	TEXT

\*Stores basic user info

\*\*Some components went unused

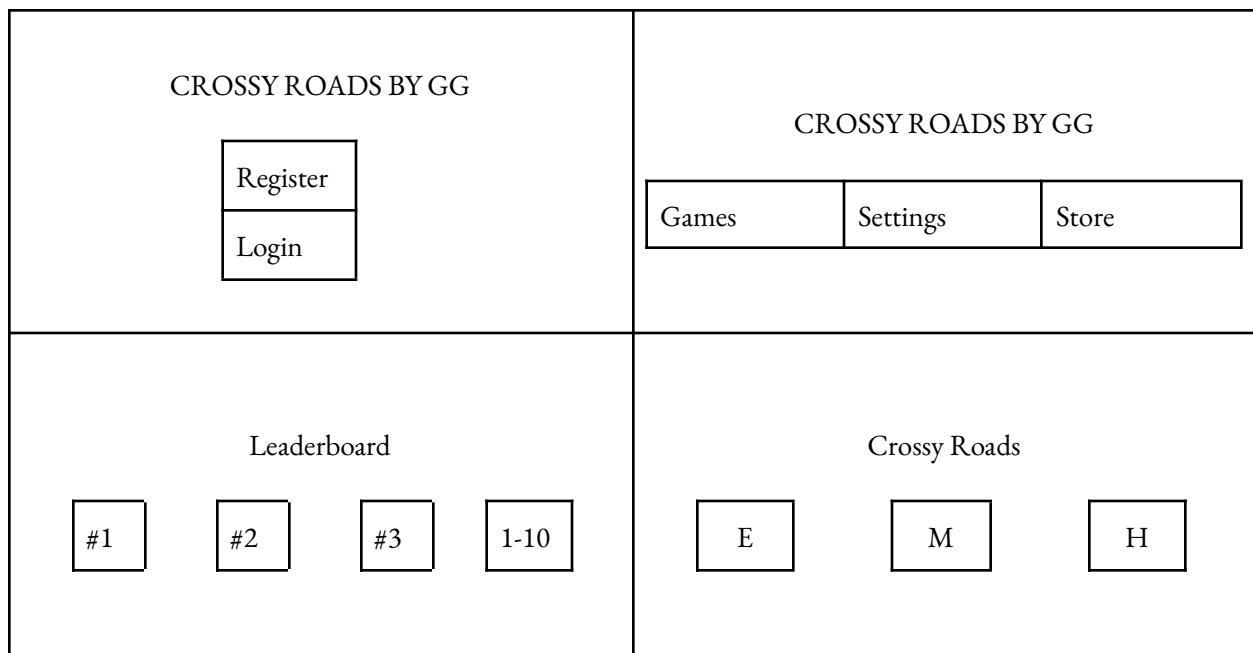
### Themes

Username	ThemeName	Color1	Color2
TEXT	TEXT	TEXT	TEXT

\*Different theme options (ex: custom, normal, winter)

\*\*Went unused

### Diagram



### Front End Framework:

We used tailwind because of the convenient presets and pretty gradients. Plus, our members already have experience with tailwind.

## Site Map:

Nav bar: (On all pages)

- Outgoing routes:
  - Home (/)
  - Settings (/settings)
  - Games (/game)
  - Log out (/logout)

Register (register)

- Outgoing routes:
  - Home (/)
  - Login (/login)

Login (/login)

- Outgoing routes:
  - Home (/)
  - Register (/register)

Games (/games)

- Outgoing routes:
  - Crossy Roads (/crossyroads)

Settings (/settings)

- Outgoing routes:
  - Home (/)

Home (/)

- Outgoing routes:
  - Games (/games)
  - Settings (/settings)
  - Leaderboard(/leaderboard)

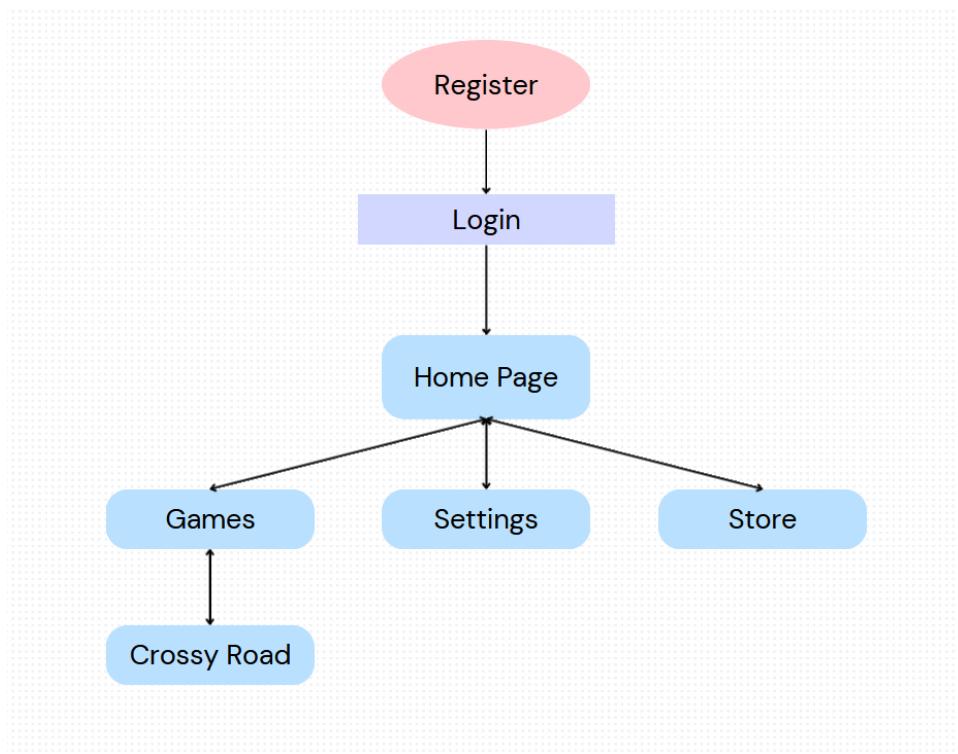
Leaderboard(/leaderboard)

- Outgoing routes:

Crossy Roads (/crossyRoads)

- Outgoing routes:

## Site Map:



## APIs:

No APIs were used for this project.