

# Mini games website

## Features:

- **Home page:**
  - Has a settings button that will open a settings dialog
  - Displays current username with a welcome message
  - Has a button for each game
  - Has a random button that picks a random game
- **Settings:**
  - User can input a username that will be saved in cookies
  - Can switch themes (saved in cookies)
  - Clear all data button
- **Memory game:**
  - Player can select grid size (saved in cookies)
  - Sounds effect when flipping a card
  - Can select either hearts mode (maximum number of mistakes allowed for this grid size) or max time or both
  - Timer will be set & mistakes will be counted regarding the mode set
  - User can replace existing card images
  - Leaderboard sorted by less time taken and number of mistakes done
- **Tic Tac Toe:**
  - Support input with keyboard or mouse
  - Two player option
  - VS pc option (mock using random input not AI)
  - Change x and o characters colors
  - Game played statistics will be saved (who won against who)
- **Rock, paper, scissors:**
  - Display images that represents game options (rock or paper or scissor)
  - For Player v Player, hide picked option and input using keyboard only with each option assigned a specific key
  - For player v PC, user can click the corresponding image to select or drag and drop it
  - Best of three rounds
  - Movements sound effects
- **All:**
  - for player vs player modes, the guest username is asked after selecting the mode (not saved)
  - Clear history or leaderboard for each game