Interaction Sequence Diagram

Welcome to Simon Game!

SIMON

**Welcome to Simon Game!
Press buttons following their
flashing orders
Come on! Let's Play!**

LET'S PLAY

CHANGE SETTINGS

*Let's Play button
(Start the Game)*

*Main Menu button
(Go back to Welcome Page
Game will be restarted)*

*Change Settings button
(Change Game Settings)*

*Main Menu button
(Go back to Welcome Page
Game will be restarted)*

Game Play

Score: 0

**Playing with 6 buttons
Challenge level: Normal
Press START to Play**

1	2
3	4
5	6

START   MAIN MENU

Game Settings

*How many BUTTONS
would you like?
(Please choose from 1 to 6)*

4

*What challenge LEVEL
would you like?*

○ Easy

⦿ Normal

○ Hard

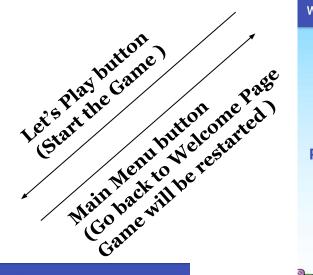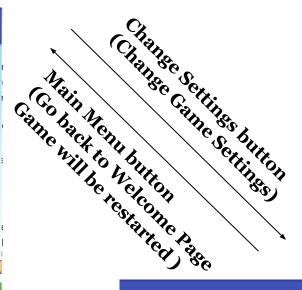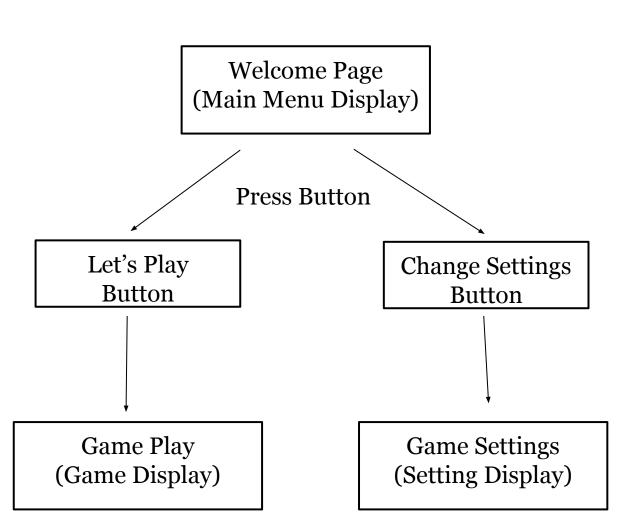MAIN MENU

- Game Play and Game Settings do not interact with each other directly
- User needs to go back to Welcome Page to change game settings.
- Changing game settings will restart the game.
- Main Menu button in Game Play is only activated when user is not playing the game (Won or Lost)

Welcome Page
(Main Menu)

Welcome to Simon Game!

SIMON

Welcome to Simon Game!
Press buttons following their
flashing orders
Come on! Let's Play!

LET'S PLAY

CHANGE SETTINGS

```
┌─────────────────────────┐
│     Welcome Page         │
│ (Main Menu Display)      │
└─────────────────────────┘
```

Press Button

```
┌──────────────┐          ┌──────────────────┐
│  Let's Play  │          │ Change Settings  │
│    Button    │          │     Button       │
└──────────────┘          └──────────────────┘
```

```
┌──────────────┐          ┌──────────────────┐
│  Game Play   │          │  Game Settings   │
│(Game Display)│          │(Setting Display) │
└──────────────┘          └──────────────────┘
```

Game Settings
(Setting Display)


```
┌─────────────────────────┐
│      Game Settings      │
│   (Setting Display)     │
└─────────────────────────┘
```

Slide Seek Bar   Choose Radio Button

```
┌─────────────────────┐          ┌─────────────────────┐
│      1, 2, 3        │          │        Easy         │
│     4 (Default)    │          │   Normal (Default)  │
│       5, 6         │          │        Hard         │
└─────────────────────┘          └─────────────────────┘
```

Change Button   Press Button   Change Difficulty
Numbers   Level

```
┌─────────────────────────┐
│    Main Menu Button     │
└─────────────────────────┘
```

```
┌─────────────────────────┐
│      Welcome Page       │
│  (Main Menu Display)    │
└─────────────────────────┘
```

Game Play
(Game Display)

Game Play

Score: 0

Playing with 6 buttons
Challenge level: Normal
Press START to Play

1	2
3	4
5	6

START   MAIN MENU

Game Play
(Game Display)

Press Button
(Simon Buttons Disabled)

Main Menu
Button

Start Button

Start the Game

Welcome Page
(Main Menu Display)

Press Simon
Buttons

Simon Buttons
(1, 2, 3, 4, 5, 6)

Win or Lose

Win
or
Lose

Press Button
(Simon Buttons
Disabled)

Main Menu
Button

Continue Button (if Win)
Play Again Button (if Lose)
(Start Button with different names)