# Individual Summary Report – Conor Nugent

## Kitchen Webpage

* Integrates an image of the kitchen and button on the fridge to navigate to the next page.

## Fridge Webpage

* Integrates an image of the fridge with the maze game on top of the image.
* The maze game on the fridge is the most complex part incorporating ball to wall collision physics and widespread use of mouse events as seen in the JavaScript code below.

|  |  |
| --- | --- |
| Text  Description automatically generated | The three mouse events that I used were onmouseup, onmousedown and on mousemove. All these events collectively ensure accurate dragging and dropping of the ball in the maze. |
| Text  Description automatically generated  Within the checkInsideMaze function, a check is done to see if any edge of the draggable ball has contacted any restrictive outer maze borders. If contact has been made the ball returns to the initial position. | |
| A picture containing text  Description automatically generated | The maze puzzle on the fridge. |
| Text  Description automatically generated  Similarly, within the touchWall function, a check is done to see if the ball has touched any restrictive inner maze wall.  Although, this check uses the radius of the ball to register if any part of the ball touches any part of the inner walls.  Each inner wall has its own CSS to position itself correctly on the screen using percentages to combat different screen sizes. | |
| Text  Description automatically generated | CSS For the Maze walls |

## Inside the Fridge Webpage

* Integrates multiple images including the open fridge, the chocolate cake and the note behind the cake.
* The button on the cake directs the user to the fridge note page.

|  |
| --- |
| Text  Description automatically generated |

## Fridge Note Webpage

|  |  |
| --- | --- |
| This page shows the first part of the randomly generated key code for the user to progress through the game. | Text  Description automatically generated |
| The word “here” within the text on the note uses a span tag to direct the user to the next page. |  |