

Sprint	Features
1)	<ol style="list-style-type: none"> <li>1. Implement a skeleton of the game board (JavaFX)</li> <li>2. Basic controls for the setter to place n amount of atoms at the beginning of the game</li> <li>3. Basic controls for the experimenter to select a location to send a ray, does not do anything at this point <ol style="list-style-type: none"> <li>a. Since there are two different roles, differentiate between the two</li> </ol> </li> <li>4. Implement tests for all features thus far</li> </ol>
2)	<ol style="list-style-type: none"> <li>1. Detects if a ray makes contact with an atom or its field</li> <li>2. Displays a result if the ray bounces back directly</li> <li>3. Displays a result if the ray does not hit an atom <ol style="list-style-type: none"> <li>a. Track where rays end up on the other side</li> </ol> </li> </ol>
3)	<ol style="list-style-type: none"> <li>1. Advanced detection of rays bouncing on an angle</li> <li>2. Make the rays appear visually on the board</li> <li>3. Track the experimenter's score</li> <li>4. Testing feature where all atoms and rays are revealed</li> </ol>
4)	<ol style="list-style-type: none"> <li>1. Develop a proper start and end of the game <ol style="list-style-type: none"> <li>a. Experimenter places the hidden atoms</li> <li>b. Track and compare scores of each round</li> </ol> </li> <li>2. Players switch sides after one round <b>OR</b> one player plays against the program as the setter/experimenter and switches after one round</li> <li>3. Extensive testing of the ray's and ensure that they function as intended</li> </ol>