

- Developed using IntelliJ
- JavaFX used for GUI
- Trello kanban board used for task management

| Sprint  | Features   |
|---|--|
| 1) Absolute basics of the game                            | 1. Implement a skeleton of the game board (JavaFX)<br>2. Automatic placement of atoms by the program<br>3. Basic controls for the experimenter to select a location to send a ray, does not do anything at this point<br>4. Implement tests for all features thus far      |
| 2) Limited functionality of rays                          | 1. Detects if a ray makes contact with an atom or its field<br>2. Displays a result if the ray bounces back directly<br>3. Displays a result if the ray does not hit an atom <ol style="list-style-type: none"> <li>Track where rays end up on the other side</li> </ol>   |
| 3) Almost full functionality of the game                  | 1. Advanced detection of rays bouncing on an angle<br>2. Track the experimenter's score  |
| 4) Polish existing features, implement scoring and an end | 1. Develop a proper start and end of the game, including proper point scoring.<br>2. Make the rays appear visually on the board<br>3. Testing feature where all atoms and rays are revealed<br>4. Extensive testing of the ray's and ensure that they function as intended |