Black Box Sprint 2

Group 42: FORTYTWO

Names	Student Numbers
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Git repository: https://github.com/jamie6084/SoftwareProject.git

"In the second sprint of our project, each team member played a pivotal role, contributing their unique skills and perspectives to ensure our collective success. Our collaboration was marked by equal participation, with everyone actively involved in every aspect of the project. This balanced approach has been instrumental in achieving our initial milestones."

Objectives	Tasks	Results
From original sprint 2:	From original sprint 2:	From original sprint 2:
- Continue on core game	- Add the feature for the user to	- Can now input a ray. (Using mouse
mechanics	input the ray.	click)
- Ray inputs	- Add the feature when a ray does	- Ray can be reflected if coming in
- Ray reaction to atoms - Ray	not meet with any atoms.	contact with an atom.
visibility	- Add the feature when a ray	- Can see the path of the ray for
Sprint 3 features	comes in contact with an atom	testing purposes.
completed:	and returns.	Sprint 3 features completed:
- Enhancing the ray	- Add the feature when a ray	-Most abnormal cases complete.
mechanics	comes in contact with an atom	Also:
Also:	and reflects with an angle of 60	-Created main menu
-Main menu	degrees.	
	Sprint 3 features completed:	
	- Add the feature that when the ray	
	comes into contact with 1 or more	
	atoms, it gets reflected at 120	
	degrees.	
	- Add the feature that if a ray	
	comes In contact with an atom at	
	the edge of the board it is	
	reflected.	
	Also:	
	-create main menu	

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Breakdown

This sprint was mainly focused on implementing the rays as that is a crucial part of the game.

A border was added which is used for inputting ray(and ray markers in future). Rays were implemented, now being able to click on a position on the border to send a ray in that direction.

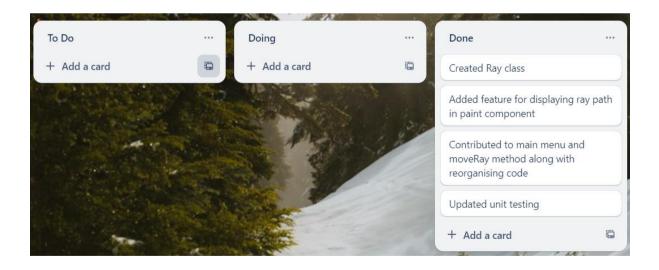
The ray path is shown on screen which was helpful for implementation but will be removed. Ray entry/exit points are correctly calculated which will be used for border markers.

We also thought that incorporating a main menu and rules would be quite beneficial for our game. We used Jframe and Jpanel for the main menu and rules screen.

See Implementation and Testing file for more details.

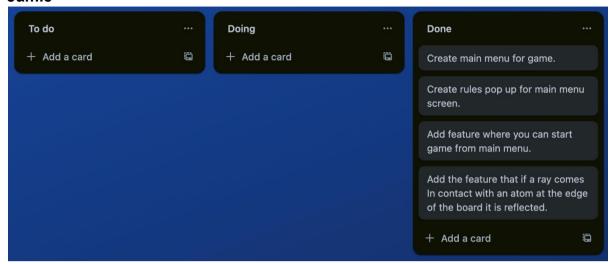
Trello Kanban Boards

Patrick



Black Box Sprint 2

Jamie



Artjom

