Section 5 - Risk Assessment and Mitigation

a) As our project is quite small, we concluded that we wouldn't have a large number of risks and it was therefore best to keep our format and level of detail simple. Each risk has a type - Project or Product. Project risks are related to the schedule of the project and product risks are related to the quality of the end product. Risk assessments would often also include a 'business' type however we chose to omit this as we didn't feel that there were any related to our product.

For our likelihood and severity, we chose to rank them at low, medium, and high which we represented using L, M, and H in our risk register. We considered using more specific classifications but again decided against it due to the simplicity of our project.

Section 5b - Risk Table

ID	Type	Description	Likelihood	Severity	Mitigation	Owner
R1	Project	Team member becomes unavailable	M	M	Don't have any one task dependent on a single person and ensure all team members explain their changes at the weekly meeting and in their Git commits.	Thom
R2	Product	Doesn't scale correctly on different screen sizes	H	M	Test program on multiple devices	Iris
R3	Product	Chosen library doesn't provide all the features that we want	L	L	Keep our game simple and avoid over complicating	Iris
R4	Project	The schedule runs over our set time	M	H	Have regular team meetings to see where the project is at and how everyone is doing	Izaac
R5	Project	Project doesn't meet one of the requirements	M	H	Ensure that we meet with the customer whenever we have questions or are unsure about any requirements	Izaac
R6	Project	Members of the team are unfamiliar with java, github, or any libraries used	H	L	Provide time for everyone to get a basic understanding and allow those with most experience to lead	Annice
R7	Product	The project's code becomes difficult to understand and work on as a team	M	M	All team members working on the project must produce docstrings and comments to document their code as well as using best practices for variable/method names.	Thom
R8	Project	Ambition programming and feature ideas leading to "feature creep"	L	M	Implementation ideas must be discussed in team meetings where members can persuade others to not pursue complicated ideas.	Ayman