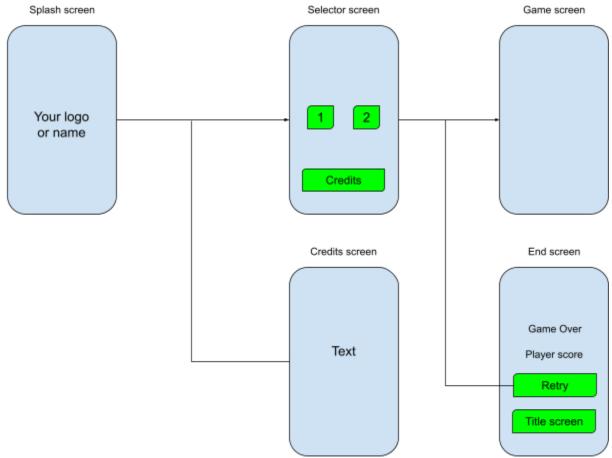
Space Invaders

Application flow

- 1. App launch and Splash screen should be shown (additional to unity's default splash screen). Logo or text must be persistent at least 3 seconds.
- 2. Title screen is an entry point to the rest of the game (Selector screen and credits)
- 3. Selector screen must boot the gameplay with a predefined layout determined by the selected option.
- 4. Game scene is the actual gameplay.
- 5. Once the user is defeated End Screen will be displayed with the player's score and the button options shown in the image 1.1
 - a. The Retry button starts a new game with the same level layout.
 - b. The Title screen button goes back to the Title screen.



Gameplay

Movement:

A-D keys and Left-Right arrow keys

Shoot:

W key and Up arrow key 1 bullet deals 1 damage

Enemies:

Green, 1 hp

Blue, 2 hp

Red, 3 hp

Score:

Green enemy gives 1 point Blue enemy gives 2 points

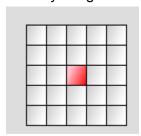
Red enemy gives 3 points

Rules:

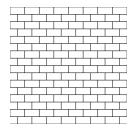
All enemies move down at a constant rate defined per level If at least 1 enemy reaches the player, game is over The player beats the level when all enemies are defeated

Constraints

- Must use Unity version 2019.x or above with C# language.
- There must be only one unity scene for all the levels, such a scene needs to load a metadata file to set up the level layout.
 - Lvl 1 layout: grid based, example:



Lvl 2 layout: brick wall, example:



Deliverables

• The Unity project needs to be uploaded to a repository, so the engineering team can review the final source code.

Extras (not required):

- Android or iOS build (with proper input for touch screen)
- Different weapons dropped by enemies randomly (more damage and/or different shooting patterns)
- The closer to the player the enemy is when destroyed, the less points it gives:
 - o On top of the screen score multiplier: 3x
 - o On the bottom of the screen score multiplier: 1x