

Defend Your Castle AR

Objectives

Technology exists in practically every part of the globe and "gamification" has been a proposal to lead people to have sustainable habits, such as physical exercise and education.

This game also served to:

- Explore more about this technology;
- Explore integration od AR with multiplayer;

Defend Your Castle is a competitive multiplayer mobile Augmented Reality (AR) game that was created for entertainment.

To play this game you must:

- Build your castle;
- Position your cannons;
- Destroy the enemy's castle;

The player who fails to rebuild his castle loses.

Developed Application

The developed application, available on Android 7 or higher version, are intended to be used by people of any age that wish to experience the game.

Results

The augmented reality is being an innovative feature for many users that operated the applications. The experience of using Defend Your Castle AR was satisfactory and that, despite the still limited knowledge of this theme of mobile augmented reality, users considered the game interesting and innovative to play on a smartphone.



Figure 1 – Enemy castle before you destroy it



Figure 2 – Online game



Figure 3 – Players attacking each other



Figure 4 – Players ready to fight

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