Building a Game

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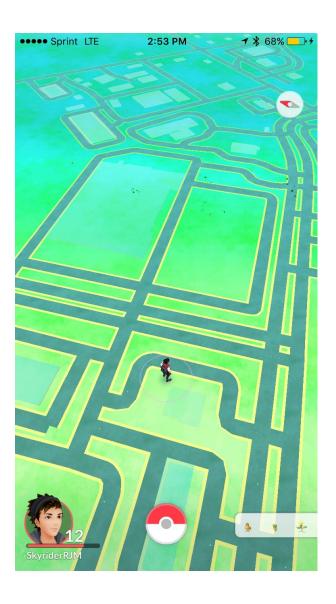
Aims

- To learn about:
 - Game development
 - Life cycle of a game
 - Game design patterns
 - Unity and C#
 - Android life cycle



The Game

- User can use their real world movements to interact with the game.
- RPG that allows the user to create a warrior, mage or hunter
- Battle AI enemies
- Group with other players
- Boss battles



Background Topics

- OpenStreetMap provides the data needed to create the map
- Unity and C#
- Client Server model

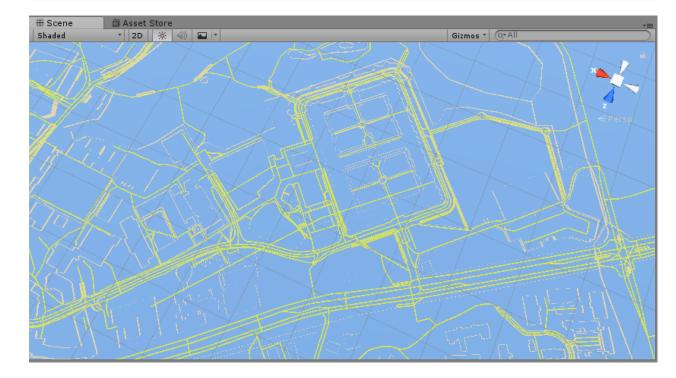




OpenStreetMap

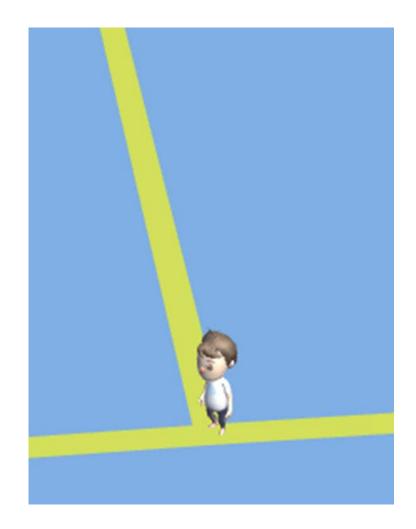
- Download map data
- Process the data
- Render the map

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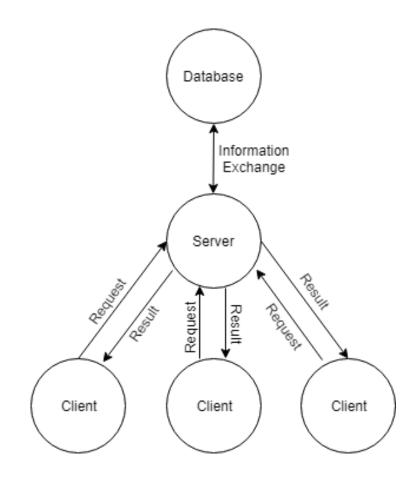
Unity

- Position the game camera
- Create touch input



Client - Server

- Multiple clients, one server
- Server knows about the world
- Server generates enemy spawns



Next Term

- Must do:
 - Work on core game mechanics
 - Generate enemy locations
 - Battle Mechanics
- Bonus
 - Multiplayer view other players nearby
 - Battle between players