

AR Maps

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THE GOAL

- Create a mapping service that is built in augmented reality.
- Provide a landscape reference and information source service.



THE PURPOSE

- Provide a mapping application that is created for city walkers that avoids confusing directions.
- Enhance user reality for a better life.



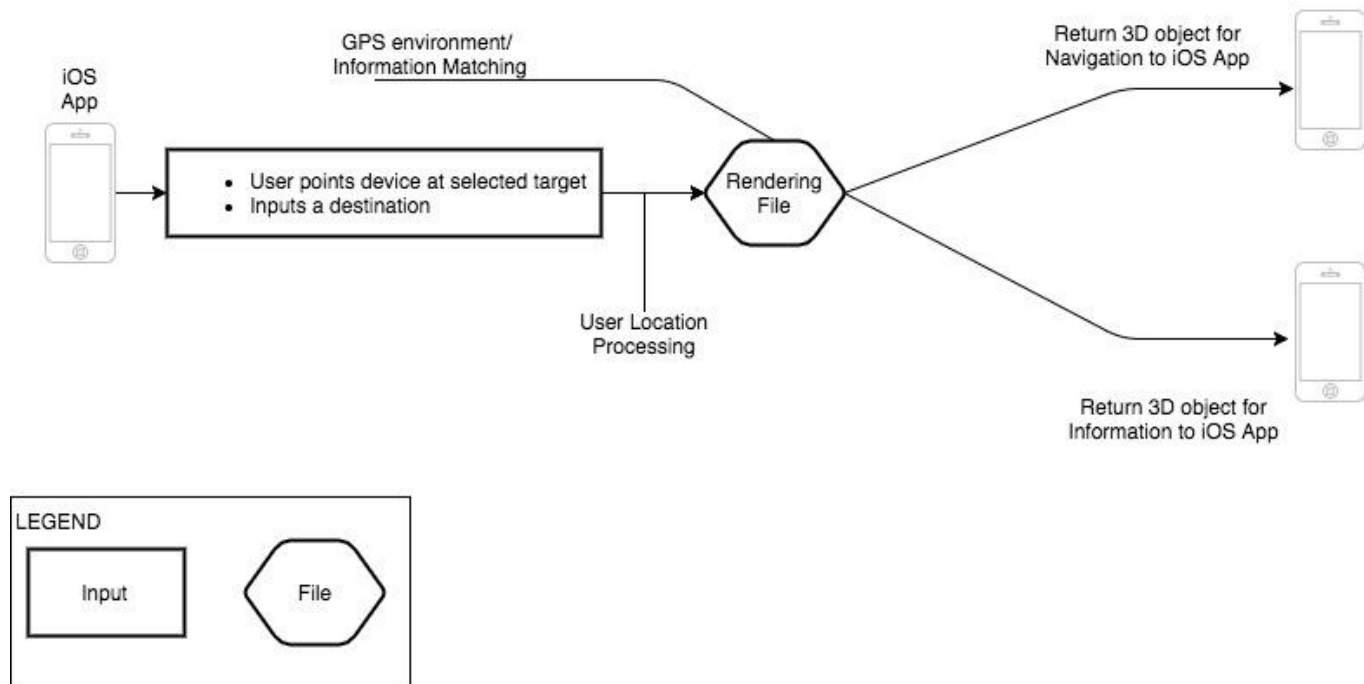
PROJECT ABSTRACT

AR Maps is a mapping service built-in augmented reality. The goal is to allow a user to get to their destination while avoiding confusing directions. The path is drawn over a real-world objects so that the user has a better understanding of where they are. This will help to enhance the user's reality to improve their life. In addition to the mapping, we plan to include a landscape reference and information source service. This will allow the user to take a picture of the environment get some information related to the objects in it.

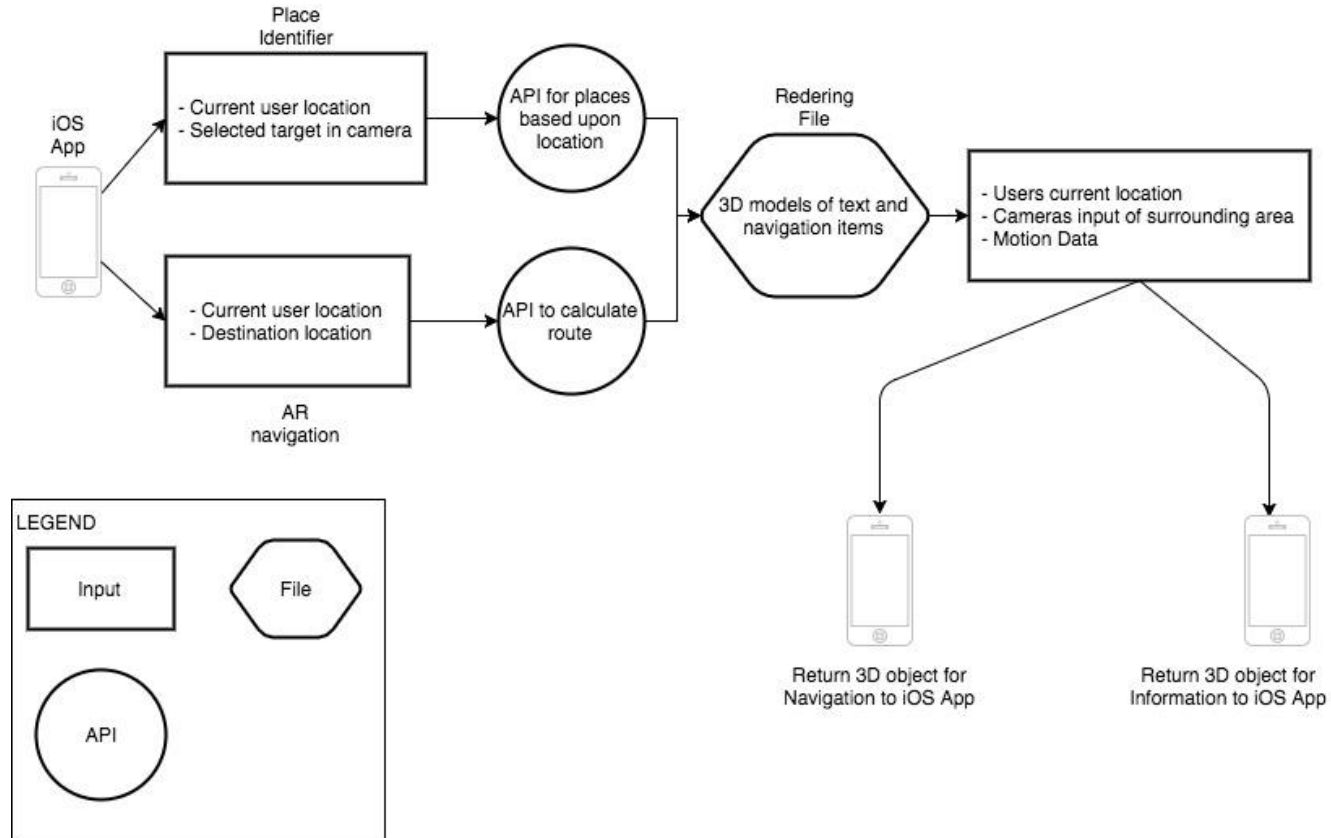
USER STORIES

- As a tourist, I want to have interactive maps to explore the place I am in, so that I can find places to go and things to do in the place I am touring.
- As a city walker, I want to see directions of where I am going over top of the real world, so that I can see where I am supposed to go based upon the real world.
- As a curious passerby, I want to be able to point my phone camera at a building and it tell me information about it, so that I do not have to go through the work of trying to look it up.

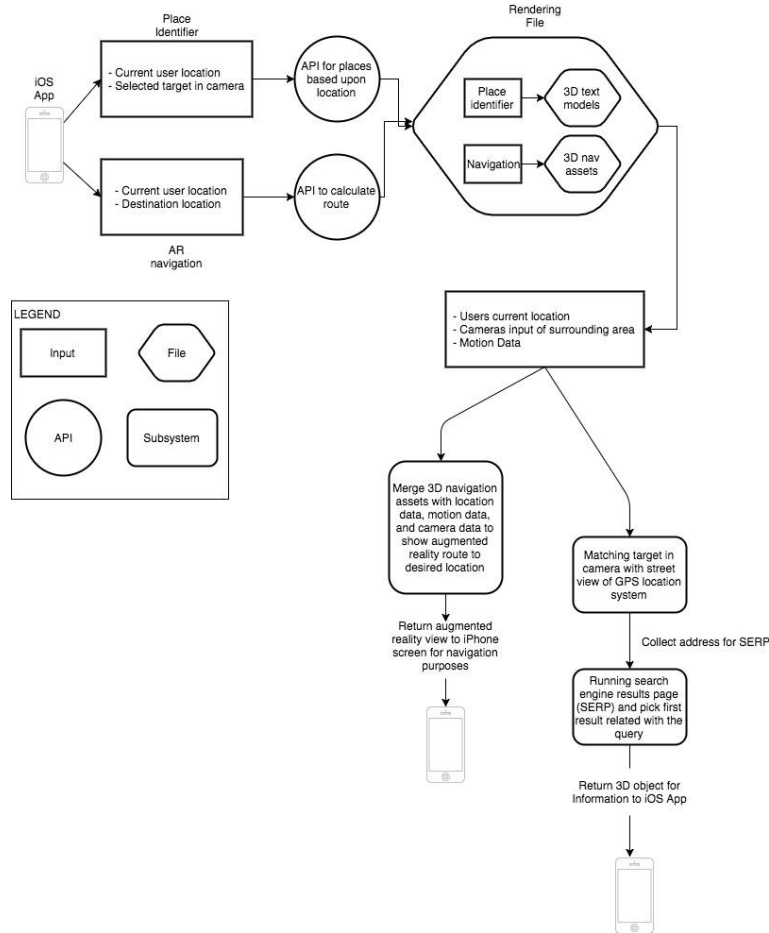
DO:



D1:



D2:



WORK ASSIGNMENT & PROGRESSION

Number	Task	Assignee	Start	Finish	Hours (estimate)
1	Research mapping API's (google, apple, waze, etc)	Ben	11/06	11/06	4
2	Research if a server side will be needed	Ludo	11/07	11/07	2
3	Define requirements for the server (if it is needed)	Ludo	11/07	11/07	2
4	Design UI / UX	Ben	11/08	11/22	20
5	Research for the design of UI (look at other mapping apps)	Ben	11/08	11/22	5
6	Investigate capabilities of Apple's' AR Kit	Ludo	11/08	11/11	10
7	Specify the limits in which AR will be accurately paired with GPS	Ludo	11/11	11/11	5
8	Develop front end - interface	Ben/Ludo	12/1	2/20	40 each (80 total)
9	Develop back end - preliminary basic map system	Ben/Ludo	12/1	2/20	40 each (80 total)
10	Mock up designs for UI / UX in a vector software	Ben	11/22	11/30	5
11	Get feedback on mock ups of designs	Ben, Ludo	11/30	11/30	2
12	Implement location services using the decided on mapping API	Ben	1/8	1/10	5
13	Create project and set up with github	Ben, Ludo	11/6	11/6	2
14	Test Preliminary Map System	Ben, Ludo	1/10	1/11	4
15	Build Linking system between Device Camera and Map System	Ben	2/20	3/16	60
16	Build Linking system between Addresses and Search Engine	Ludo	2/20	3/16	70