

Software Engineering Project Presentation (1)

First Presentation

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An App to share your favourite places !



This app will allow you to keep track of your favorite places and your upcoming events while sharing all of that with your friends !

System Definition

- Mark a place down as one of your favourites in the world.
- Plan your upcoming events.
- Share your maps with your friends or make it available publicly.
- Manage multiple maps, and combine them.
- Add your own photos of the events and places you go to.
- Find the shortest way to go where you want to go !

Users

There is only one type of user in this app : The regular one.

He is able to **create, edit, manage** and **share maps**.

On them, he can organise events, place points of interest and check what others have decided to share.

He has the possibility to **publish photos** and **messages**, and to **befriend** others.

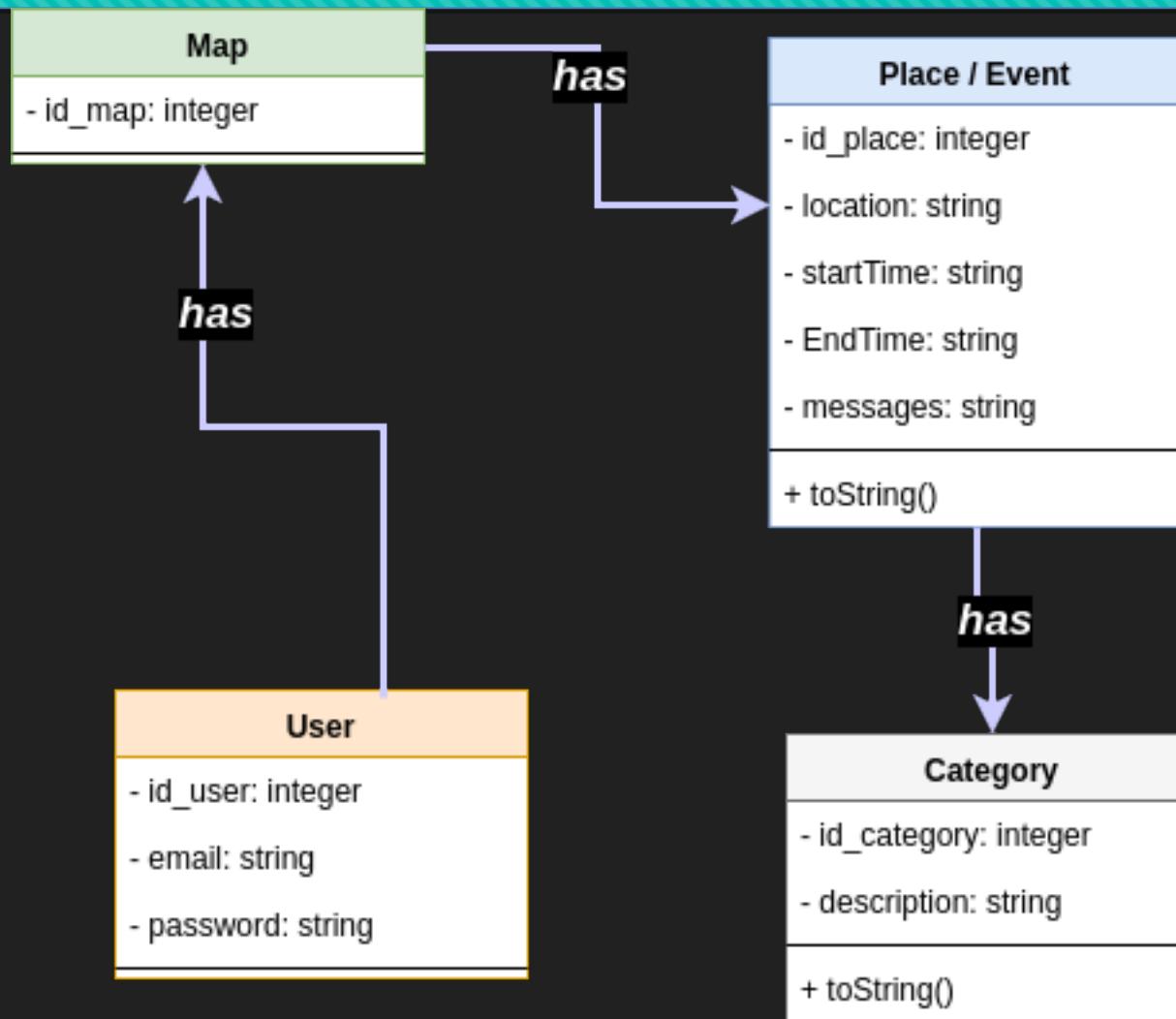


Business Objects : recap

The business objects would be :

- The Users themselves.
- The Places of interest a user can pinpoint.
- The Events the users can schedule.
- The Maps a user will create and manage.
- The messages and pictures a user can send.

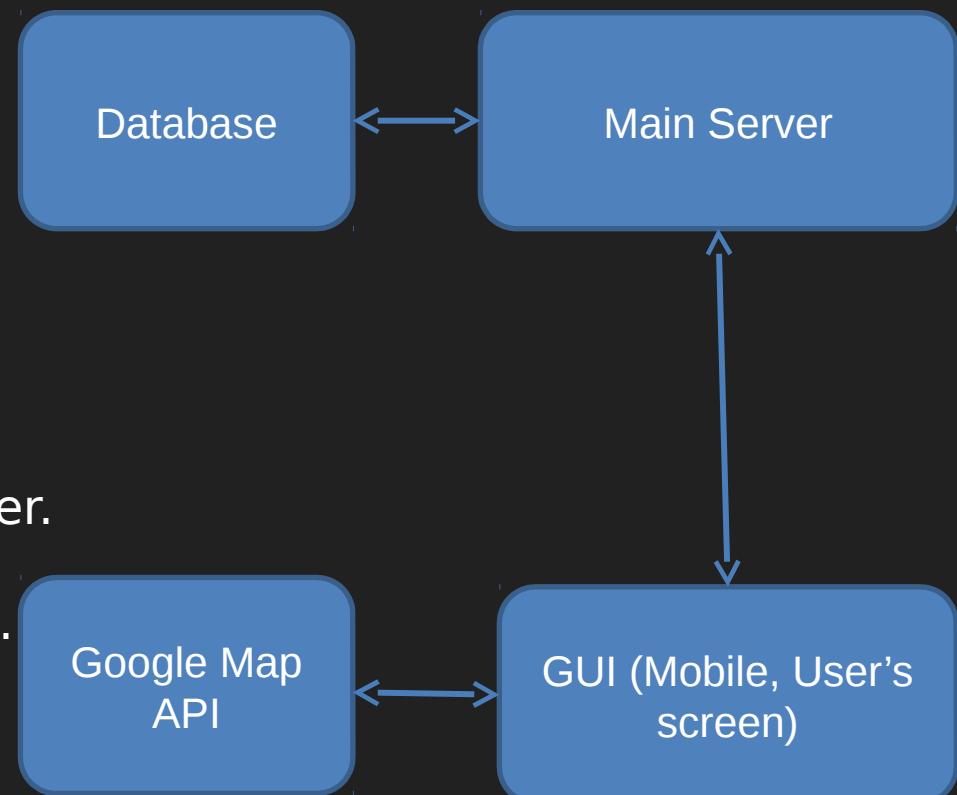
Business Objects : Diagram



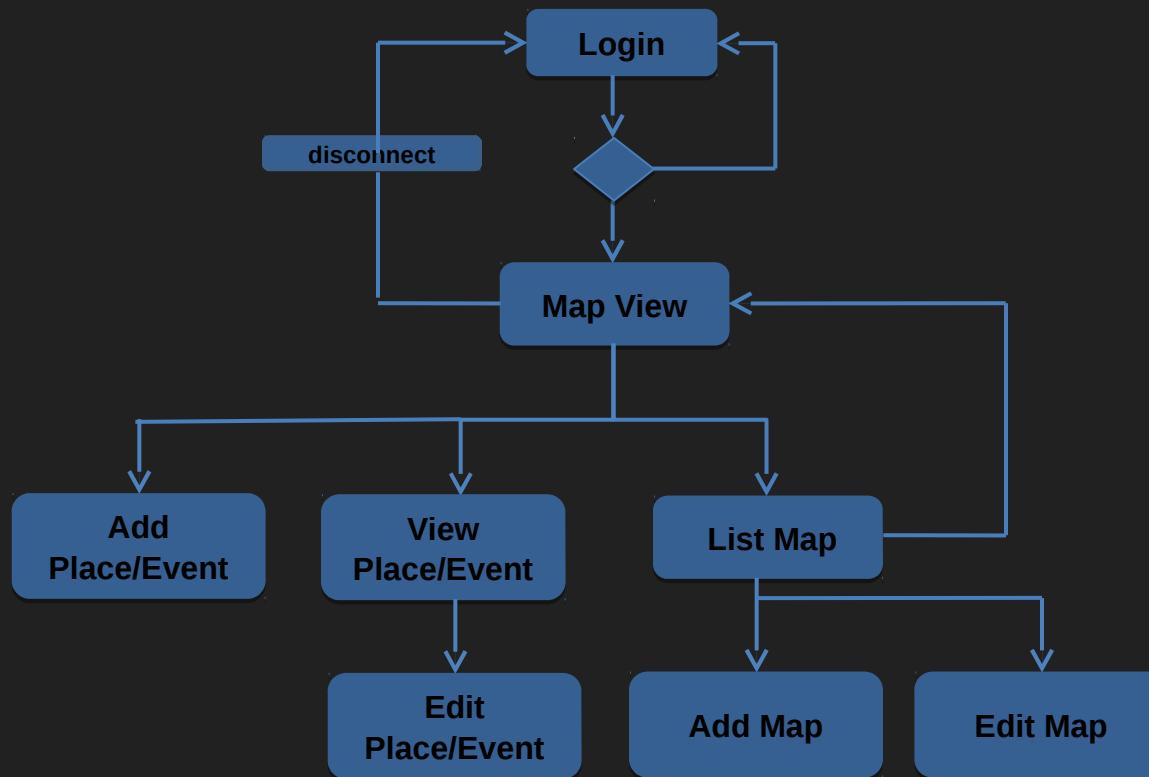
Technical Proposition

We have four main subsystems coexisting in our app :

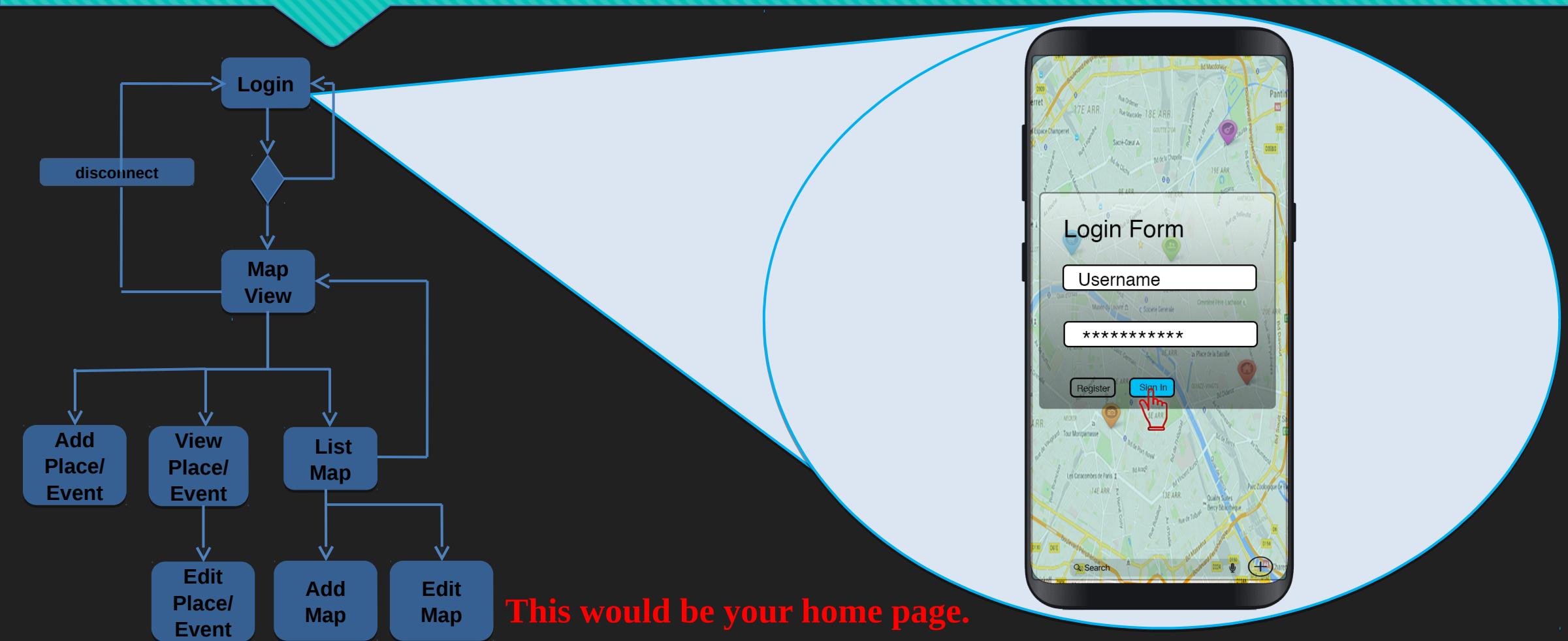
- Database stocking data of users and places/events.
- The main server running the code
- The Google Map API, called to display the map to the user.
- The user's own screen, on which we will render the map.



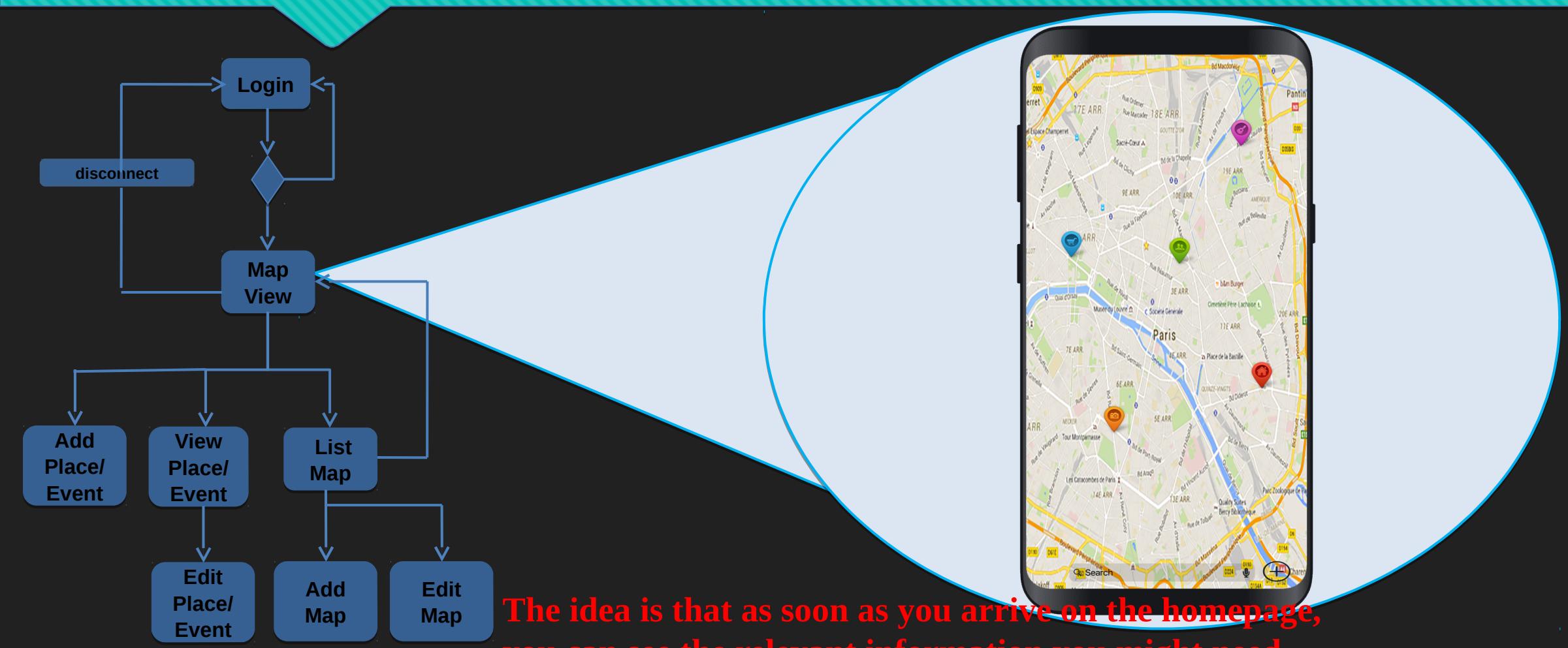
Navigation Diagram



Navigation Diagram



Navigation Diagram

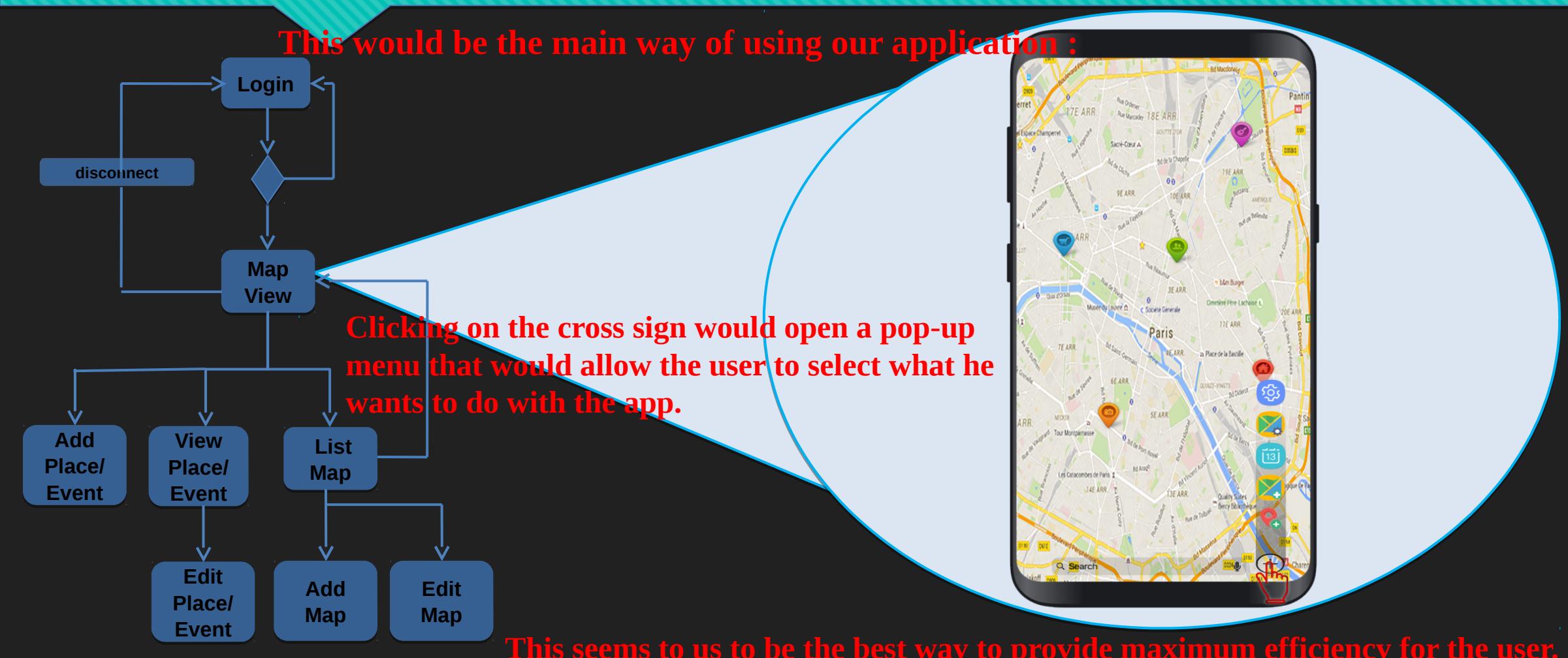


Navigation Diagram

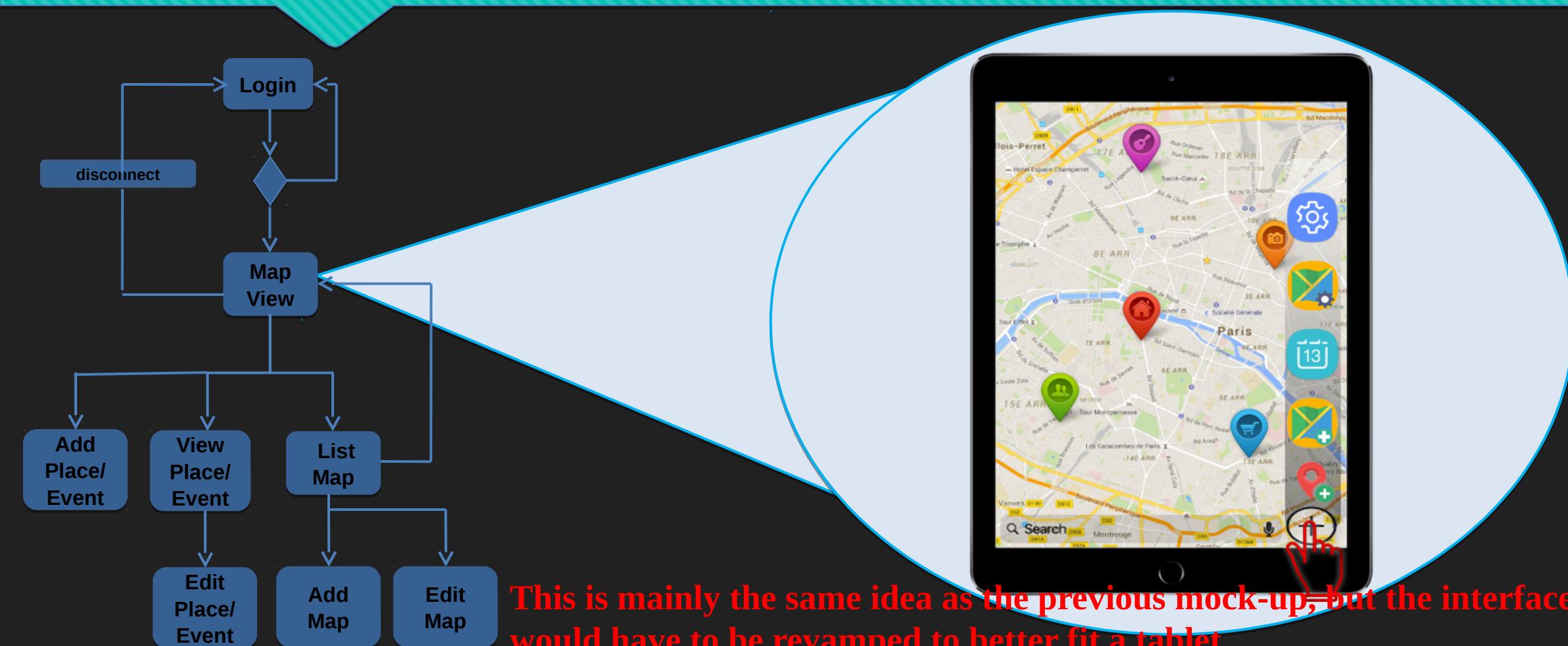


In this case, it would be streets around you and thus the potential interest points you or other people may have, could be marked down

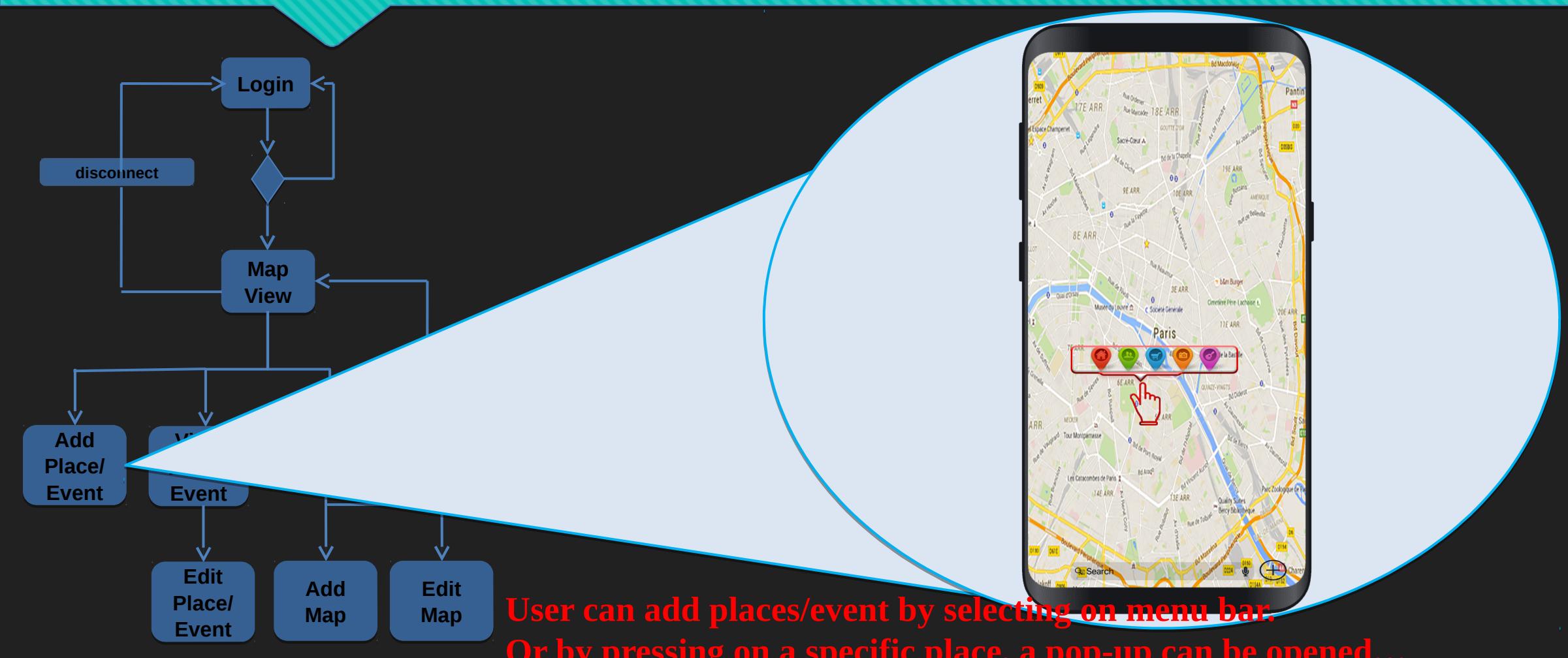
Navigation Diagram



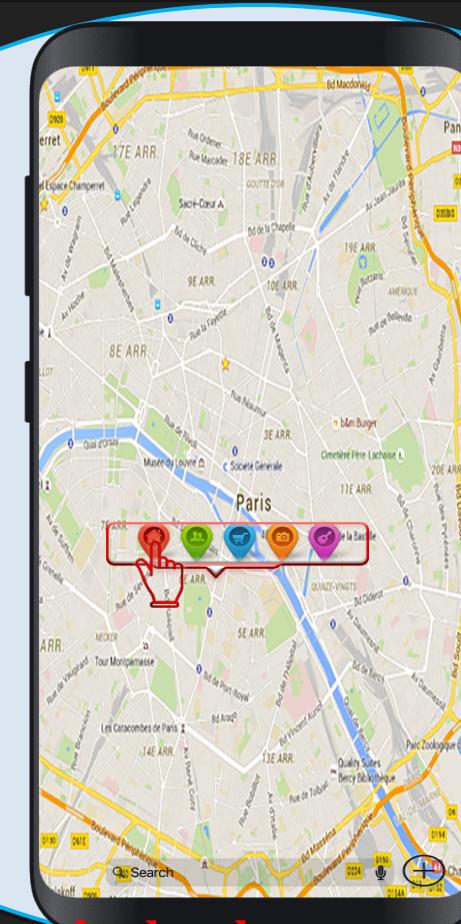
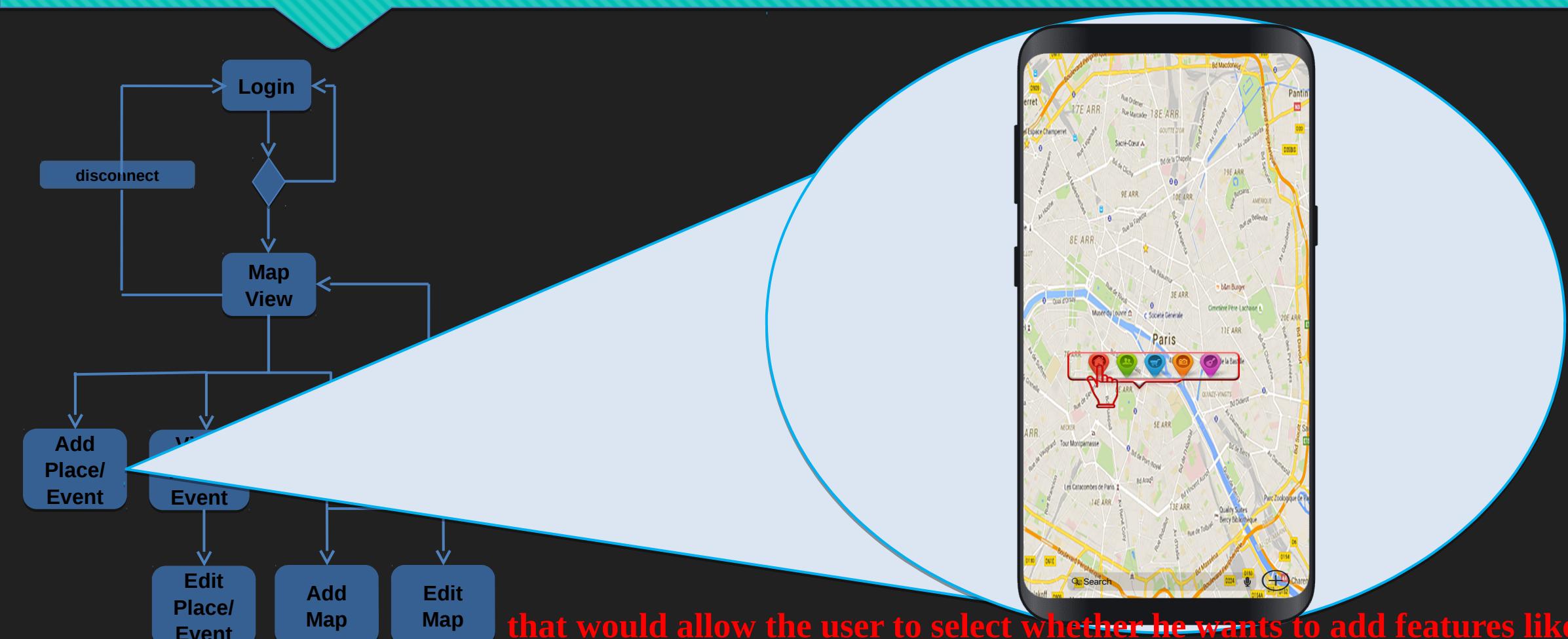
Navigation Diagram



Navigation Diagram

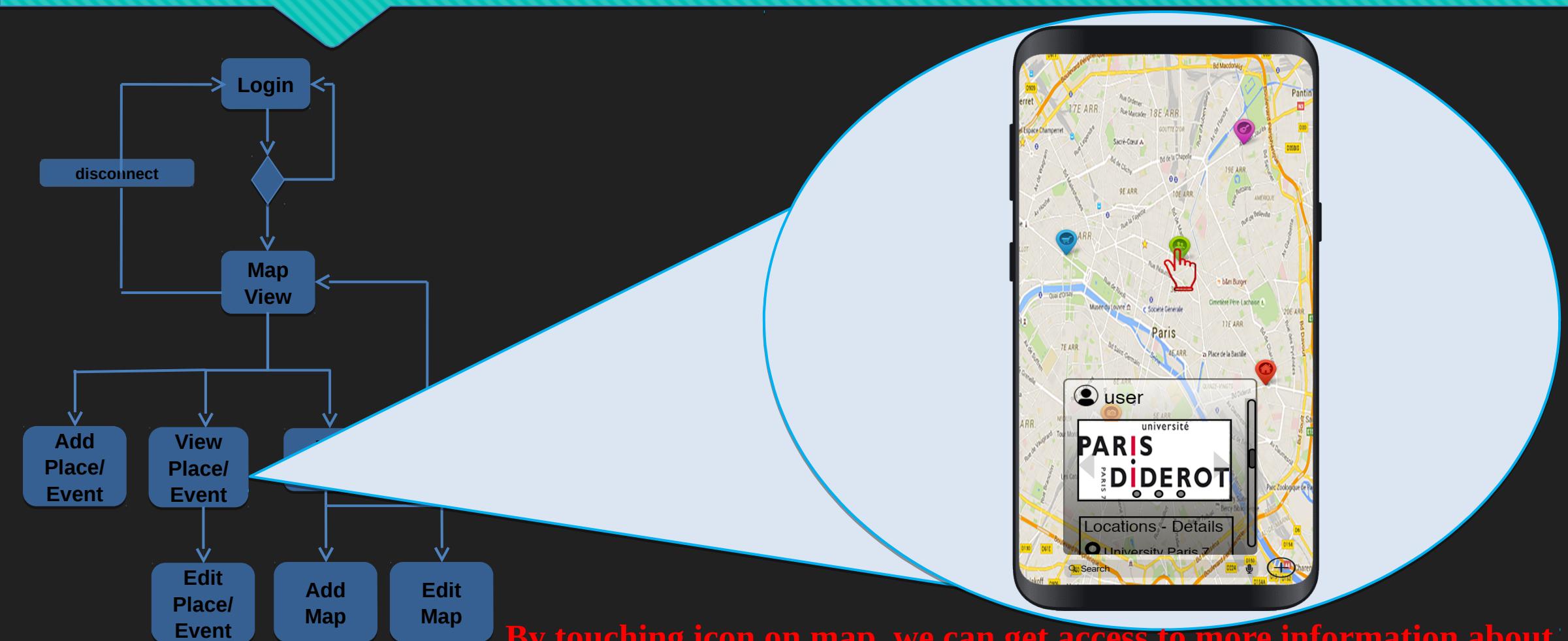


Navigation Diagram

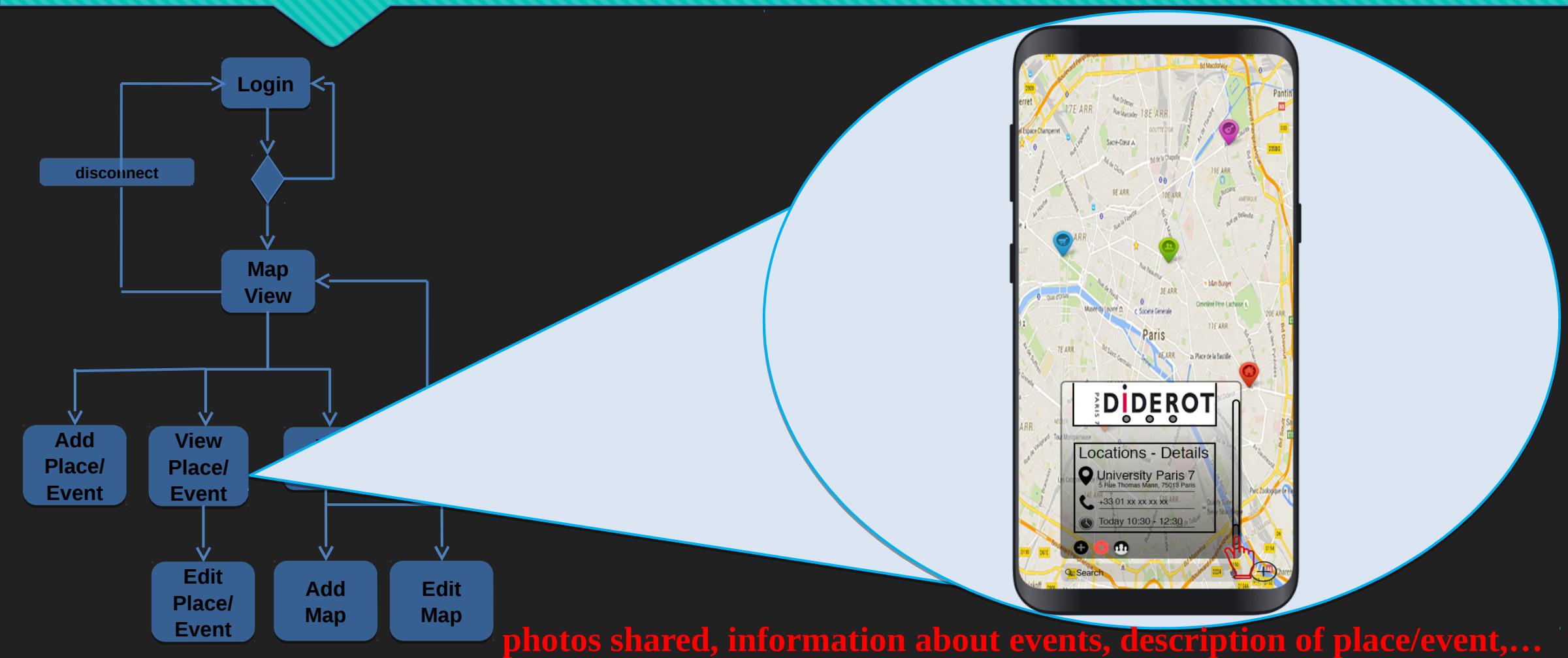


that would allow the user to select whether he wants to add features like places, events...

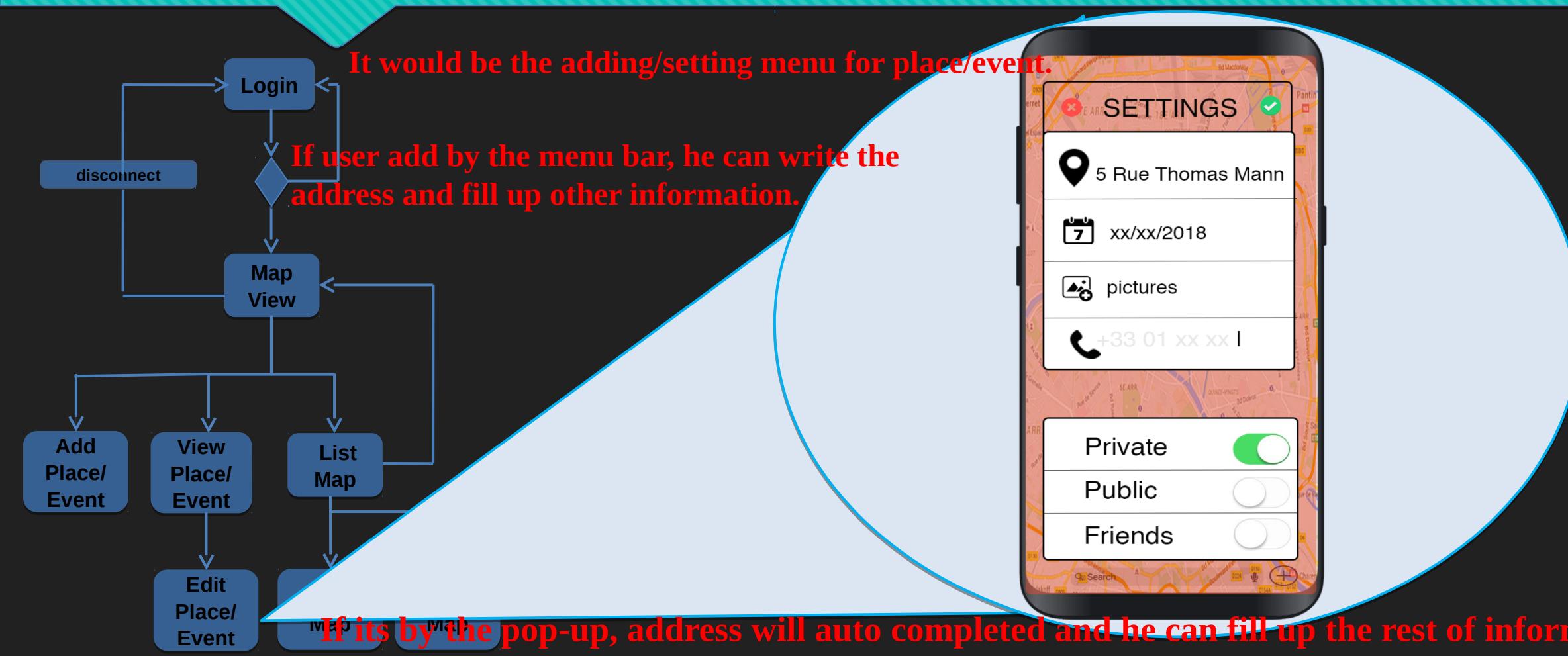
Navigation Diagram



Navigation Diagram

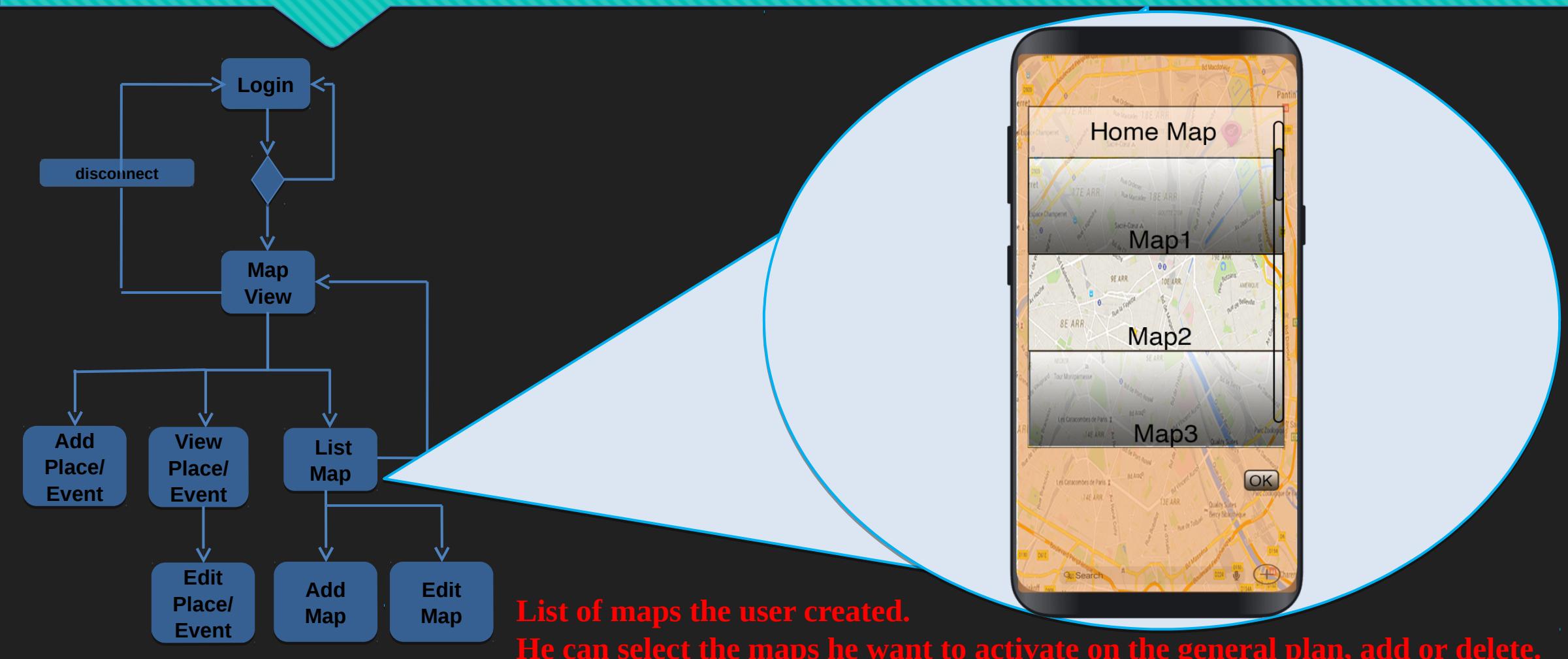


Navigation Diagram

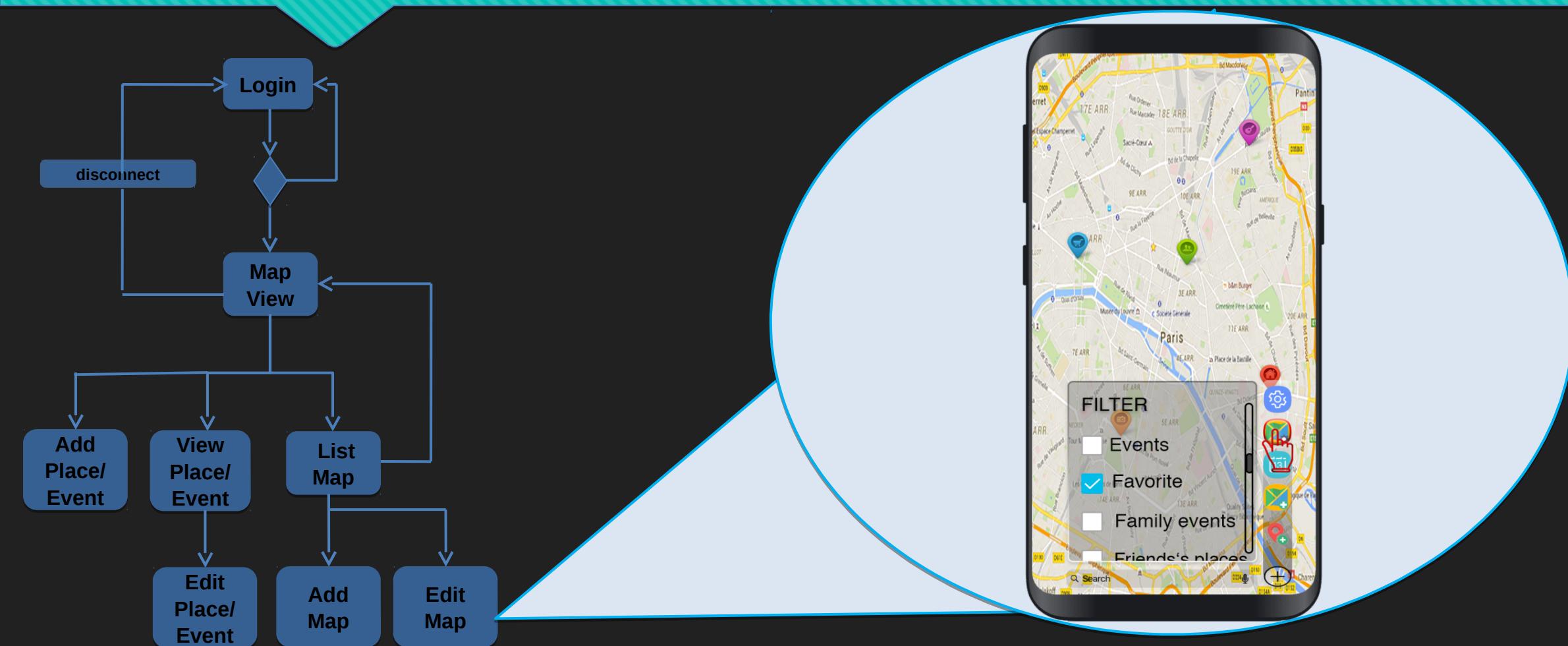


If its by the pop-up, address will auto completed and he can fill up the rest of information. He can also decide to share it.

Navigation Diagram



Navigation Diagram



Backlog

To do	Priority	Difficulty
Manage place, events : Add, delete or edit them.	5	3
Manage multiple maps : Add, delete, edit, share them.	4	4-5
Filter by category : You can select a category to display on your map.	4	5
Login/Logout protocol.	3	2
Friendlist :Add a friend, delete a friend, share with them.	3	1
Pictures : Add, delete, comment, share.	3	3
Messages/Comments : Add, delete, edit, share.	3	3
Pathfinding : Find the shortest path between two points.	2	2
Search for a map (from friend or a public one)	2	2
Search for a place (by name or by coordinates)	2	2

Web Services

Type	URL	Behavior
GET	/map/list	Returns a list of maps
GET	/map/{id_place}	Returns detail of a place / event for the corresponding «id»
GET	/map/list/{id_map}	Returns detail of a map for the corresponding «id»
POST	/map/{id_place}	Modify a place / event for the corresponding «id»
POST	/map/list/{id_map}	Modify a map for the corresponding «id»
PUT	/map/list	Add a new map
PUT	/map	Add a new place / event
DELETE	/map/list/{id_map}	Delete a map
DELETE	/map/{id_place}	Delete a place / event