



SOFTWARE ENGINEERING SEQUENCE DIAGRAMS
ON THE PROJECT OF
“Clinical Diagnosis iOS App - The Phenomizer”

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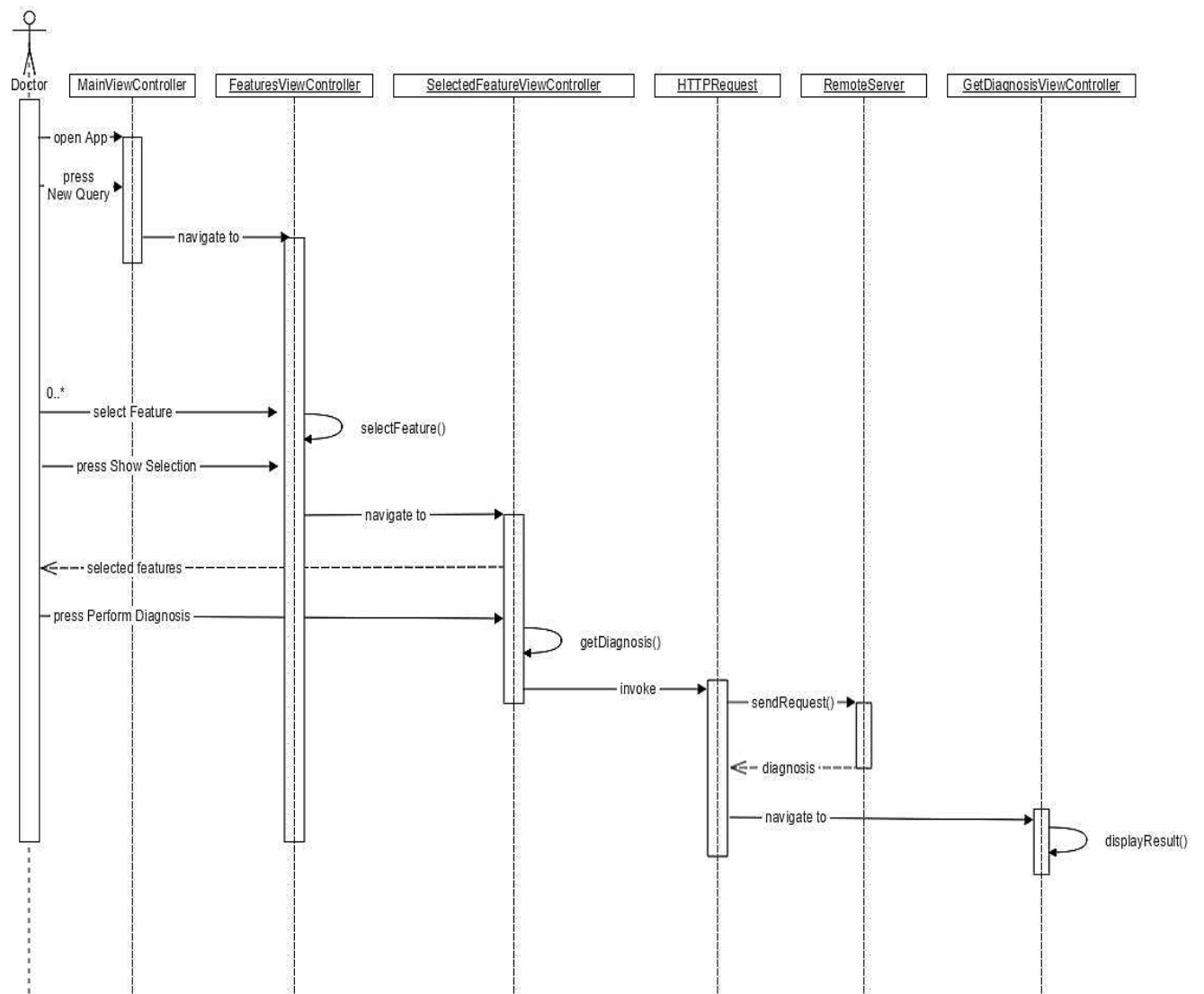
Project Description

The project is about building and implementing an iOS App "The phenomizer" to facilitate the disease prediction from a set of phenotypes. The App is intended for medical doctors and performs computational clinical diagnosis to return the results to the doctor. Through the App, the doctor can search or select one or more phenotype(s) from a list and these phenotype(s) are queried against a database of known diseases that are associated with the selected phenotype(s). The diseases are then ranked upon the likelihood of them being caused by the queried phenotype(s). Results are then displayed to the doctor.

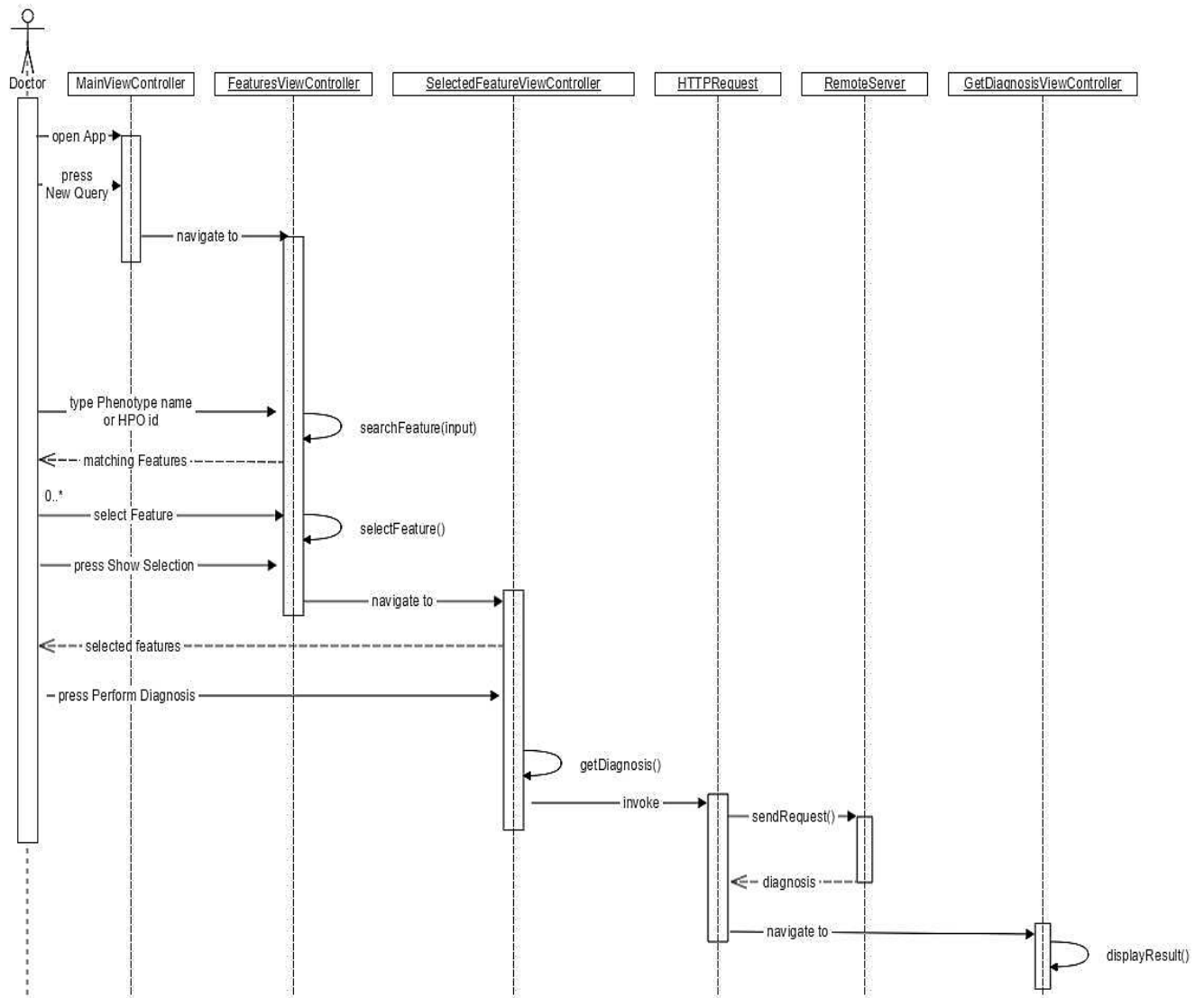
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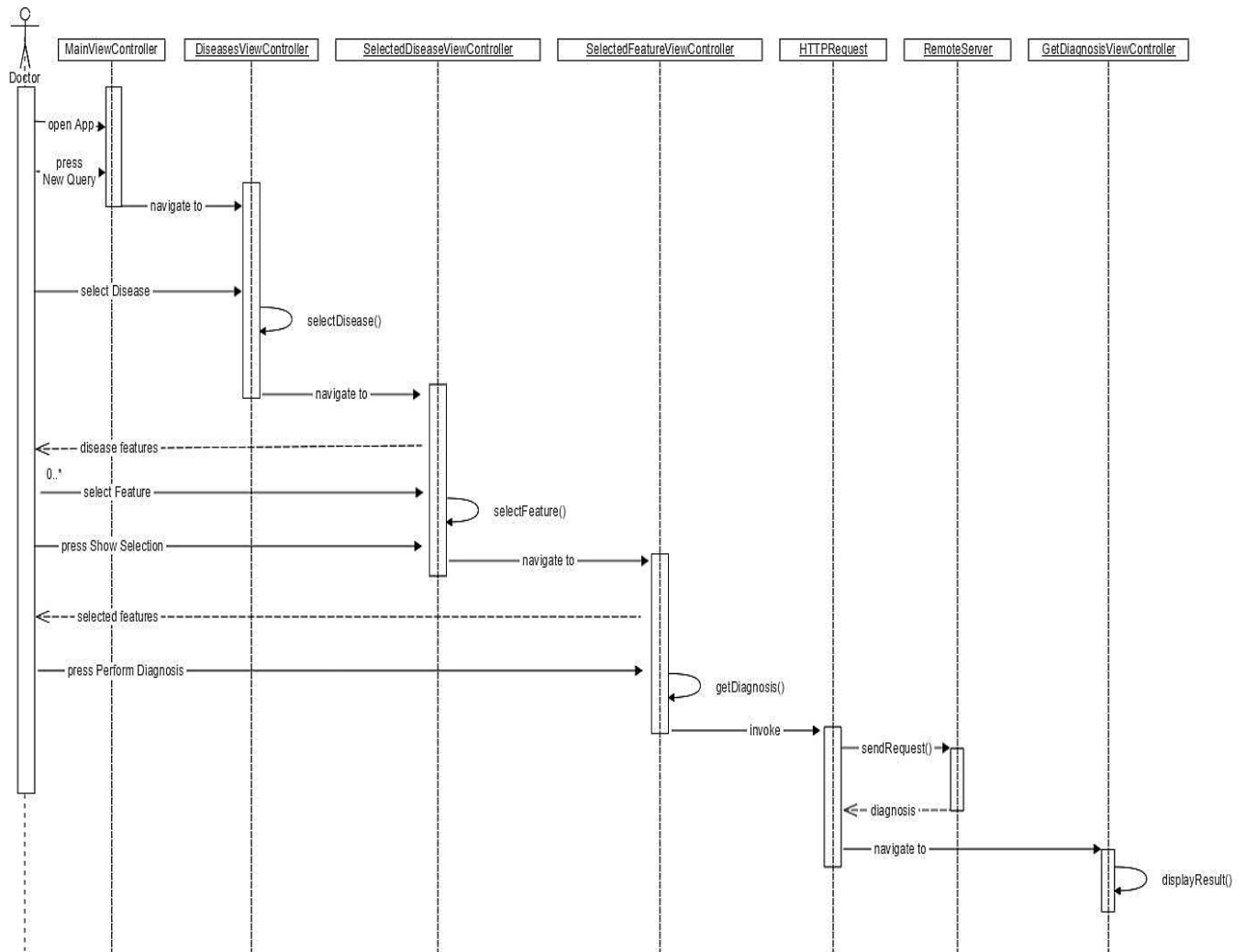
1 Getting diagnosis by selecting phenotype(s) from features tab



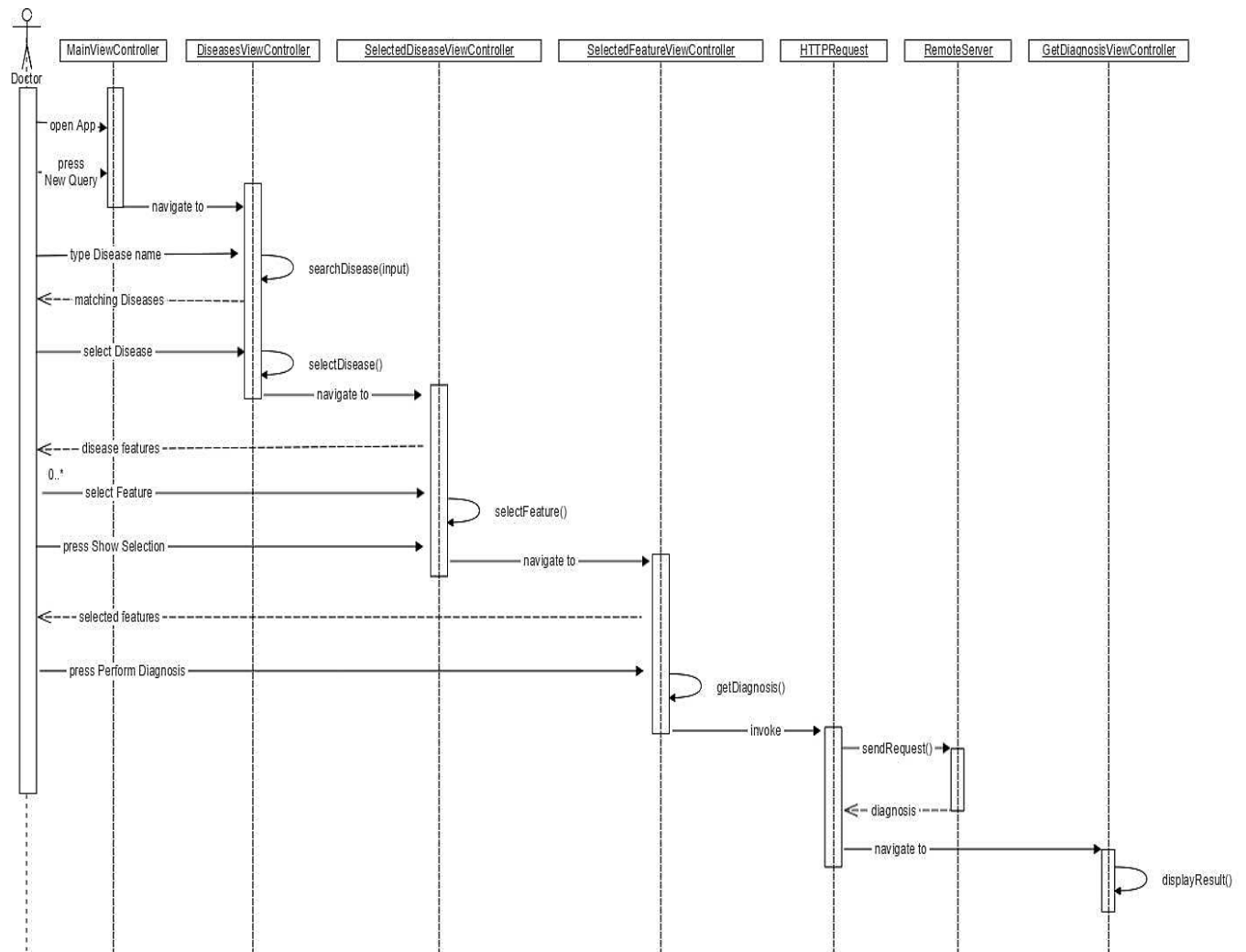
2 Getting diagnosis by searching for phenotype's name or HPO id



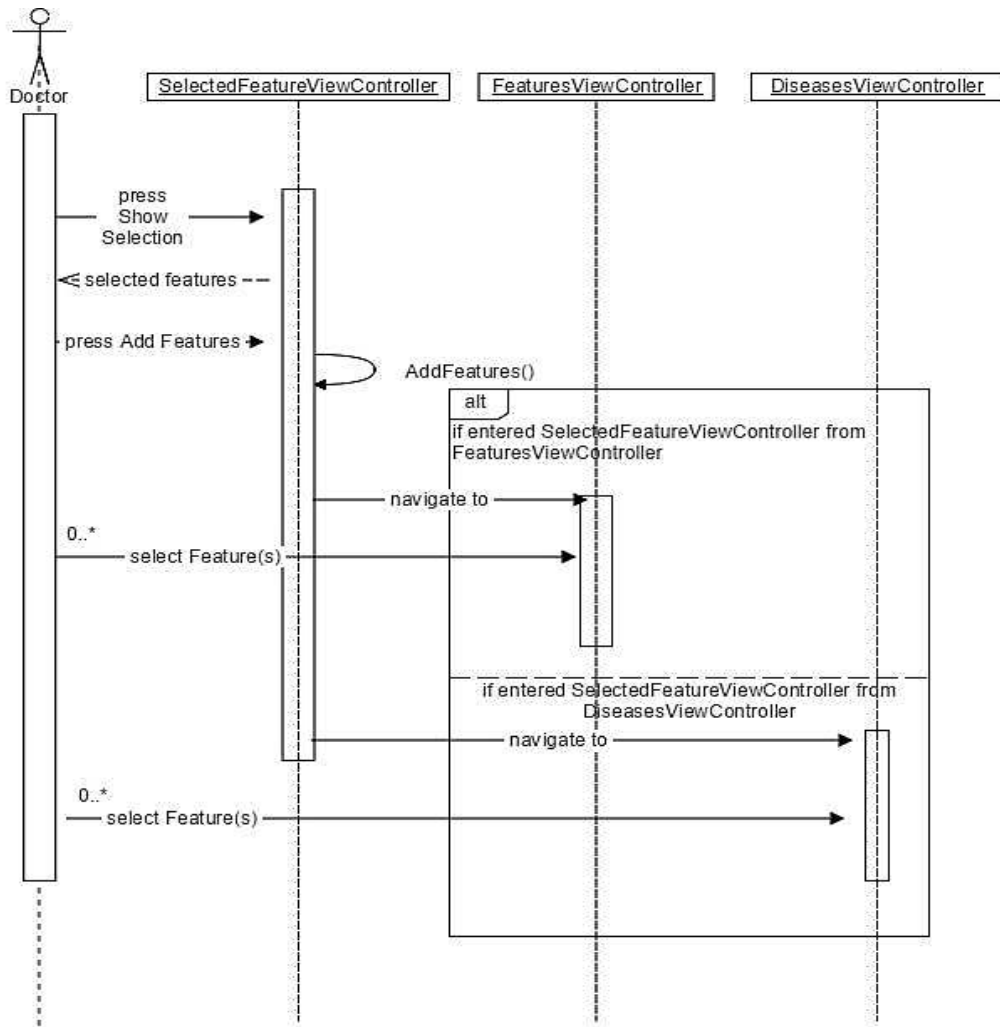
3 Getting diagnosis by selecting phenotype(s) from diseases tab



4 Getting diagnosis by searching diseases from diseases tab

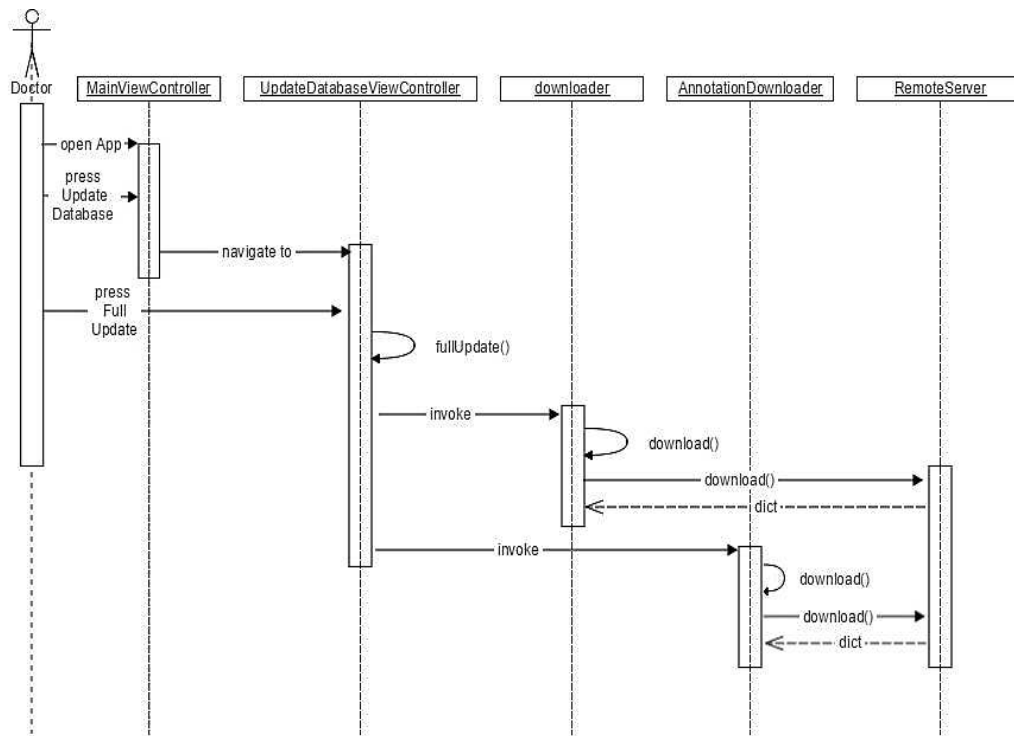


5 Adding more phenotypes(s) to list of selected phenotype(s)

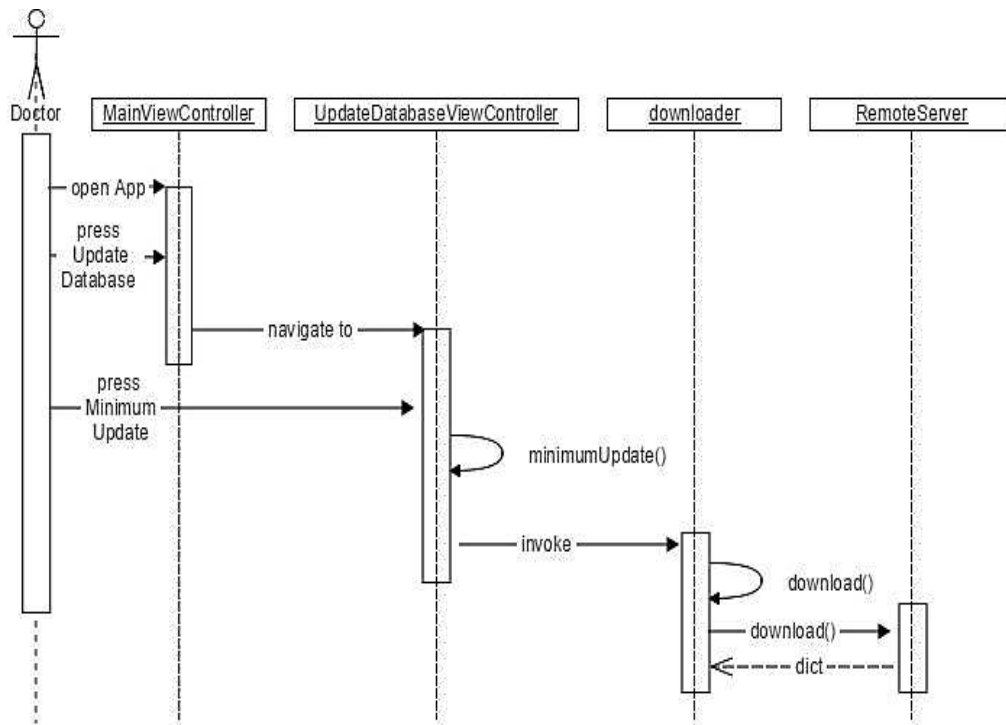


Note: Client made a comment to use the **Back** button (instead of **Add Features** button) to go to **FeaturesViewController** or **DiseasesViewController** from **SelectedFeaturesViewController** to use this functionality. Hence the **Add Features** button is no more available.

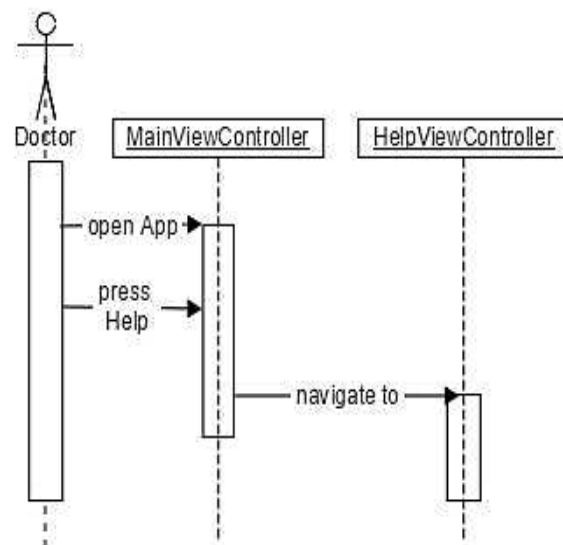
6 Getting full update of database



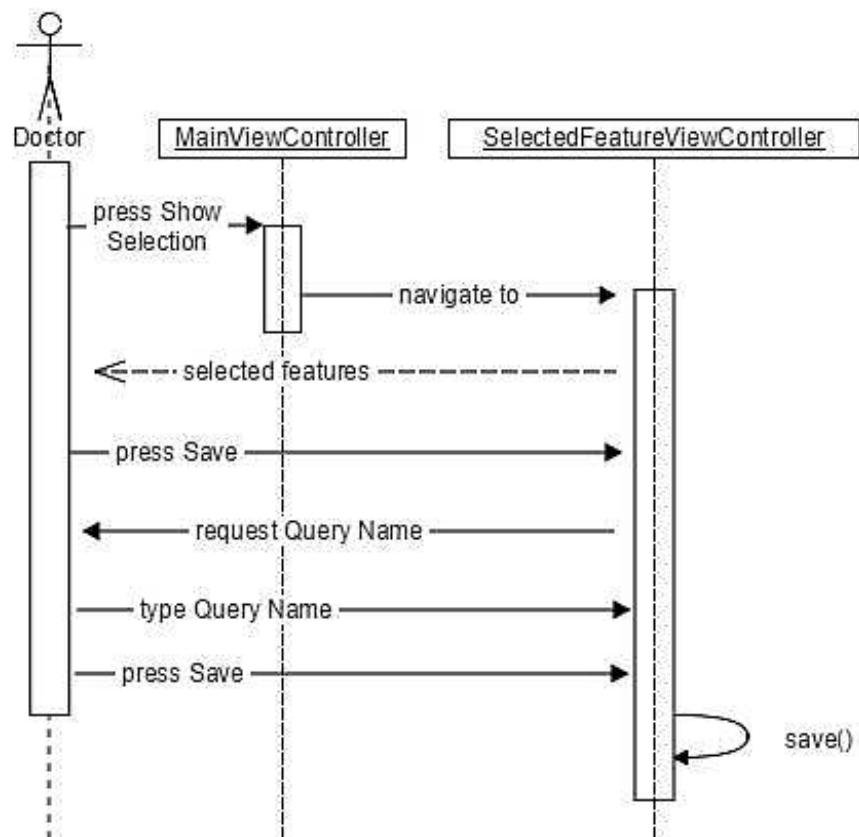
7 Getting minimum update of database



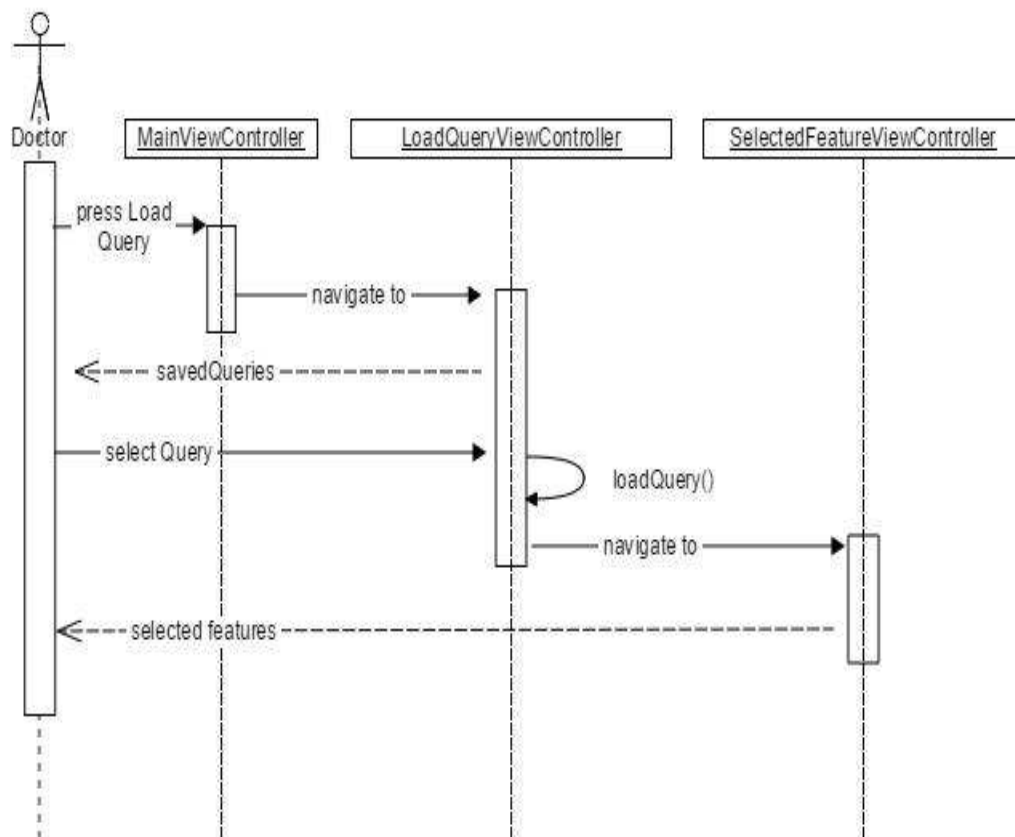
8 Help



9 Save Query



10 Load Query



11 Edit Query

