

EE / CPR E / SE 492 - sddec20-22

DNA to Feature Models

Biweekly Status Report 2

9/14/2020 - 9/28/2020

Client: Dr. Myra Cohen

Faculty Advisor: Dr. Myra Cohen

DNA To Feature Models

The following report presents the progress of the senior design team for the project, DNA to Feature Models, in the past two weeks. This progress report also entails a partial recap of where the team left off from last semester.

Team Members:

- Abdul Rahman El Moughrabi - Developer/Documentation Management
- Ahmad Nazar - Team Leader/Developer
- Ahmed Alketbi - Developer/Debugger
- Hyegeun Gug - Developer/Web Management
- Prathik Nair - Debugger/Developer

Past Week Accomplishments:

The team spent most of the past two weeks preparing for the PIRM meetings which entailed discussing project progress, the project itself and some important technical issues that needed addressing. The backend aspect of the project is complete and was completed through the last two weeks as well

Pending Issues

- Merging a plugin within FeatureIDE's plugin interface
- Using data to implement features in frontend
- Creating a mean to use live data from curl commands on the frontend

Individual Contributions:

Abdul Rahman El Moughrabi

In the past 2 weeks, I spent most of my time preparing the presentation for our PIRM Meeting. We met as a group and discussed all of the points needed to successfully deliver the presentation. I also worked a bit on the plugin with Ahmed Nazar to finish off the skeleton code and add all the actions needed for the design. In the next 2 weeks, we will be able to present the completed base of the plugin to our client.

Ahmad Nazar

The past two weeks in terms of project progression has been slow. The team and myself have spent most of the time preparing for the PIRM meeting. This meeting showcased the project, what has been completed so far, and pending issues as well as technical difficulties. I have started back on completing the native shell data fetching program and it will be complete by the next advisor meeting. The plan is to integrate this program into FeatureIDE plugin so frontend can use the fetched data.

Ahmed Alketbi

In the past two weeks, we spent most of the time preparing for midterms and the PIRM meeting. We created our slides and went over them with our client/advisor Dr. Myra to get feedback before the presentation. Other than that, I started documenting some of the code that I worked on to make it easier for others to build upon it and understand it.

HyeGeun Gug

For the past 2 weeks, I have spent on preparing the technical difficulties for our PIRM presentation. We tried to go over view of our projects with some background letting others to understand details of DNA feature models. I have worked on the backend for catalog, which is almost done with parsing all the catalog that exist on the Biobrick.

Prathik Nair

The last 2 weeks, my focus was making sure my part of the PIRM presentation was eloquent and informational enough to present. I was tasked with outlining our technical difficulties over the past year. Along with that, I have looked at some of our file organization and debug tasks I have been assigned. My goal for next week is to continue debugging and completing any documentation tasks that have been assigned to me.

Team Member	Weekly Hours	Total Hours
Abdul Rahman El Moughrabi		9
Ahmad Nazar	4	11
Ahmed Alketbi	2	10
HyeGeun Gug	4	19
Prathik Nair	4	12

Plans of Action:

- Complete more experiments with plugin development
- Integrate native shell within plugin
- Integrate live data from shell and curl commands to be used with frontend
- Complete more frontend functionality