Bi-Weekly Report #3

Requirements and deliverables

- Coordinate with other PEACH teams to establish an appropriate framework for the Design Guide website.
- Continuously update the Design Guide with relevant information and files, maintain the website.
- Establish the requirements of the new project that have been just introduced to us.
- Negotiate requirements with other teams involved in the same project branch.
- Research the relevant information and potential approaches to the final solution.

Overall, our work and research were about two projects: “Design Guide” and “Page Rendering”. The first one is a website that will have a framework implemented into it, so that any other team is able to push React objects to the directory. The second one involves a connection between a mockup file, such as for instance XHTML or HTML, analysed via JavaScript-based library and rendered onto a separate webpage, where potential user is able to retrieve necessary information.

Achievements

- Led the negotiations on requirements with the other teams, regarding the common framework for use in development.
- Continued research on finding the right framework for the Design Guide.
    - Our current design guide is built with Bootstrap
    - Looking at alternative way of building: Electrode Explorer
- Establish the requirements of our new role of building the form renderer, which pushes data from a markup file to a webpage.
- Established new requirements.
- Re-arranged prioritisation list.

Summary of meetings

Our team was responsible for heading the Ryver conversation in order to collate all teams' preference regarding framework. Over the span of two weeks, all teams have responded, stating the components their team will be working on, if there are any reusable components readily available in React.js or Angular2.js, if they are ready to work with Angular, React, Electrode, and finally their preference of framework. So far, all teams have indicated that they are willing to work with electrode. This is a positive response, as it aligns with client's preference and with the view that it will greatly aid future development on the project.

16/11/2016
The team met in the afternoon to discuss progress on research regarding container applications. We found that that both our and the client's view of what a container actually does was somewhat different from the reality. Whereas we had previously thought it be akin to a method of implementing building blocks for Peach web applications in order to speed future development on the project, we found that building container applications for websites is not a done practice. Furthermore, it would be an unfeasible task for us to build one.

18/11/2016
In this client meeting, we discussed with the client our prioritization of tasks. Within this meeting we fully clarified our role within the peach project. We are no longer tasked with the visual presentation of data, and now tasked with retrieving data from a markup file and pushing the data to the website. We have also been tasked with building a form renderer.

Plan of action

We are creating a separate website which is used to present our research at the end of this year. The development should be complete as well as website should be filled with corresponding information in the nearest time.

We have negotiated certain requirements with other teams regarding "Page Renderer". Thus, the course of action would be to keep up with the research to find as many approaches as possible and to continue establishing the requirements with other teams, responding to necessary changes. Additionally, we are learning JavaScript and Node.js.

Furthermore, we are continuing our research and negotiation about framework that will be used in the Design Guide. This is to be further discussed with other teams.

Lastly, we are learning JavaScript and Node.js which will be used in the development of our solution with team 41. Additionally, as outlined earlier, there is a need for research and learning of other libraries which will be used to easen the programming during our development stage.

Independent Work

Hai Xia

I lead research regarding container applications and established that it would be an unsuitable task for our team, I have also started learning javascript and node.js. I have also been investigating whether electrode and Angular are suitable for our project.

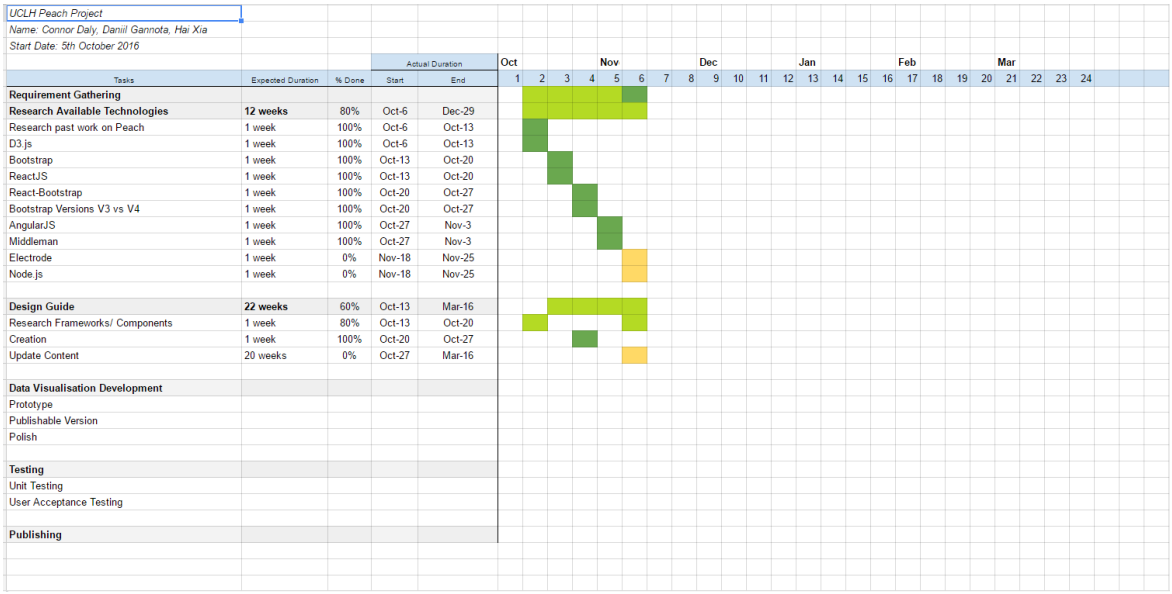
Connor Daly

My main focus for the past two weeks has been attempting to coordinate and lead the conversation within the UI superteam (via Ryver) so we can make a final decision regarding the framework for development. So far, most teams have been responsive. I have also begun learning JavaScript, Node.js and researching electrode.

Daniil Gannota

My main focus for these weeks was to learn JavaScript, Node.js and research libraries which we may use later at the development stage. I was also negotiating terms and requirements with other teams to make sure that overall project will be safely integrated into the final solution. Additionally, I was researching React and Angular2 frameworks to be used in the Design Guide. Lastly, I am involved in the programming of our website which will be used to present our research.

Appendix



UCLH Peach Project
Name: Connor Daly, Daniil Gannota, Hai Xia
Start Date: 5th October 2016

Tasks	Expected Duration	% Done	Actual Duration Start	Actual Duration End
Requirement Gathering				
Research Available Technologies	**12 weeks**	80%	Oct-6	Dec-29
Research past work on Peach	1 week	100%	Oct-6	Oct-13
D3.js	1 week	100%	Oct-6	Oct-13
Bootstrap	1 week	100%	Oct-13	Oct-20
ReactJS	1 week	100%	Oct-13	Oct-20
React-Bootstrap	1 week	100%	Oct-20	Oct-27
Bootstrap Versions V3 vs V4	1 week	100%	Oct-20	Oct-27
AngularJS	1 week	100%	Oct-27	Nov-3
Middleman	1 week	100%	Oct-27	Nov-3
Electrode	1 week	0%	Nov-18	Nov-25
Node.js	1 week	0%	Nov-18	Nov-25
Design Guide	**22 weeks**	60%	Oct-13	Mar-16
Research Frameworks/ Components	1 week	80%	Oct-13	Oct-20
Creation	1 week	100%	Oct-20	Oct-27
Update Content	20 weeks	0%	Oct-27	Mar-16
Data Visualisation Development				
Prototype				
Publishable Version				
Polish				
Testing				
Unit Testing				
User Acceptance Testing				
Publishing				

For Gantt Chart See:

https://docs.google.com/spreadsheets/d/1012q9yi6XQ52zEUIo_Qqm-9ugVOQ2ZVWsMi1izdPvYE/edit?usp=sharing