Sprint Plan

Programming Life Team 1 | Sprint 4-5 | Week 4.5-6 | *Extended Plan 4 + Pre-Plan 5 (after Tuesday meeting)*

Requirement/Story	Task	Task assigned to *name(s)*	Estimated effort per task *hours*	Notes
Enable us to interactively explore a sequence graph representing the genome architecture of multiple strains.	Implement the visual aspects.	Chak Shun	3	Dynamic CSS, filtering on genomes.
	Implement interaction via the user interface.	Maarten	8	Continue previous sprint. Responsiveness during importing.
Provide semantic zooming to enable useful visual interpretation at various zoom levels from whole-genome to individual mutations.	Implement semantic zoom level for joining small point mutations.	Marissa, Justin	6	Fix the remaining bugs.
	Extend the data model.	Mark	5	This also includes refactoring the other parts of the system.
Have visual encodings for different classes of mutations and the ability to filter on mutation class.	Identify and visualize point mutations	Marissa, Justin	5	
	Collapse nodes horizontally based on content size	Marissa, Justin	4	
Put this graph in the context of the evolutionary relationship between bacteria.	Highlighting genome families based on phylogenetic tree branch selection.	Chak Shun	5	
	Represent the phylogenetic tree.	Maarten	10	Finding libs, explore more representations.