

Sprint Backlog, Iteration #4

User Story	Task	Member responsible for the task	Task Assigned To	Esmitated Effort per Task (in manhours)	Priority (A—E) (A is highest)
As a developer, I want to have decoupled and tested classes So that the code can more easily be extended	Increase test coverage	Kamran Tadzjibov	Kamran Tadzjibov	3	A
	Refactor large classes	Kamran Tadzjibov	Kamran Tadzjibov	5	A
As a DNA researcher, I want to have a fast(er) application (using databases) So that the DNA can be analyzed more efficiently	Set up database	Adam el Khalki	Adam el Khalki	4	B
	Add all segment information to the database	Adam el Khalki	Adam el Khalki	4	B
	Expose database functions to server	Adam el Khalki	Adam el Khalki	5	B
	Use database to remove redundant computations	Adam el Khalki	Adam el Khalki	5	B
As a DNA researcher, I want to have semantic zooming So that the information displayed is always relevant	Devise and implement bubble detection algorithm	Ali Smesseim	Ali Smesseim	24	A
	Devise and impement data structure for bubble storage	Adam el Khalki	Adam el Khalki	10	A
	Implement JSON serializing for bubbles	Ali Smesseim	Ali Smesseim	4	A
	Add bubbles to API	Samuel D. Sital	Samuel D. Sital	2	A
As a DNA researcher, I want to see the higher level structure of the graph in the minimap So that the context doesn't get lost when zooming in	Devise and implement high level structure detector	Ravi Shivam Autar	Ravi Shivam Autar	12	C
	Convert the graph to ribbon view	Ravi Shivam Autar	Ravi Shivam Autar	10	C
	Show ribbon in minimap	Samuel D. Sital	Samuel D. Sital	8	C
As a DNA researcher, I want to select particular genomes to show So that only genomes I'm interested in are shown	Integrate phylogenetic tree into graph view	Samuel D. Sital	Samuel D. Sital	8	D
	Let client select genomes to show in the phylogenetic tree	Samuel D. Sital	Samuel D. Sital	6	D
	Fix bugs and test old genome selection algorithm	Kamran Tadzjibov	Kamran Tadzjibov	10	B
As a DNA researcher, I want to highlight specific genomes in the graph So that I can focus on the genomes I'm interested in	Send client info to highlight specific genomes	Samuel D. Sital	Samuel D. Sital	4	E
	Implement genome path highlighting in the client	Ravi Shivam Autar	Ravi Shivam Autar	6	E
	Highlight reference genome	Kamran Tadzjibov	Kamran Tadzjibov	2	E
	Allow client to select genomes to highlight	Kamran Tadzjibov	Kamran Tadzjibov	8	E
Context Project: Programming Life					
Group: Byzantine Generals (PL1)					