

Requirements document

Mitochondria is the Powerhouse of the Cell

(This is a numbered list of user stories that are the features of the system to be implemented. Each user story is an operation that a user can perform on/with the system. For each user story, provide a fairly detailed description so you know what to build and so you can build a test case to demonstrate that your system provides that feature. For each user story, you will identify (during release planning) the release in which it will be implemented: R1, R2, or R3 and assign a number of story points based on your estimate of the time that will be required to implement. Typically, your system will have 10–20 features.)

#	User story name	Description	Release	Points
1	Student Profiles	As a student, I want to click on my profile to select it.	R1	8
2	Tutorial	As a student, I want a game tutorial to learn how to play.	R2	21
3	Play Game Option	As a student, I want the website to have a PLAY button to start the game.	R1	2
4	Replay Option	As a student, I want the game to have a REPLAY button to replay the game.	R1	3
5	Answer Feedback	As a student, I want to know what the correct answer to a problem was when I chose poorly.	R2	13
6	Teacher Log In	As a teacher, I want a password protected log in to keep the children out.	R3	21
7	Class Overview	As a teacher, I want to view a list of students in the class with links to the students' profile.	R2	13
8	Student Info View	As a teacher, I want to view the performance of the student along on the most recent and on historical games	R3	21
9	Problem Insertion	As a teacher, I want to be able to add problems into the game so the student can get practice in areas I desire.	R2	13

10	Colorful Graphzics	As a student, I want colorful graphics to keep me interested in the game.	R2	21
11	Adding Students	As a teacher, I want to be able to add and remove student profiles to my class.	R2	13
12	Report	As a teacher, I want the progress history report to display date, score, and the % of questions correctly answered.	R3	21
13	Pause	As a student, I want to be able to pause the game so I can take a break.	R1	13
14	Music	As a student, I want the game to have music to keep me engaged.	R1	3
15	Game Over	As a student, I want a game over screen to display how many problems I solved correctly/incorrectly during my game.	R1	5
16	In Game Avatar Options	As a student, I want to be able to choose my player avator to represent me!	R2	13
17	Profile Pics	As a student, I want to be able to choose an image from presets for my profile.	R2	13