

## Task Decomposition

### User stories considered for this sprint:

1. As Matija, I want to create questions for every assignment.
2. As Matija, I want to create new assignments for my course.
3. As Miroslav, I want to be able to set correct answers to each question in an assignment.
4. As Keith, I want to be able to view assignment questions.

### Sprint Plan

User Story	Tasks	Task Points	Dependency	Team Member
U1: As Matija, I want to create questions	T1: Page for user to input question as string. -- A php page whose purpose is to take user to input through text fields.	2		Darius
	T2: Function to store a string into a file. -- The function will take string input from the user through a textbox.	2	T1	Kevin
	T3: Make database table to store the location of question files. -- The creation of the basic database tables for questions and assignments.	2		Adam
	T4: Use store function to store question info onto server from page. -- The function takes questions input from the user and saves the question as a text file in the database.	3	T1, T2, T3	

U2: As Matija, I want to create new assignments	T5: Page to create new assignment. -- A php page whose purpose is to display available questions to the user. There will be a checkbox corresponding to each question.	2		Brian
	T6: Function to add questions to an assignment. -- The user will select a checkbox corresponding to a question if they wish to include that question in the assignment. There will be a submit button that will direct the user to another result page displaying the corresponding IDs of the questions that were selected.	3	T5	Daniel
	T7: Function to store set of questions as an assignment to DB. -- The function takes the assignment from the user and saves it to the database as a file.	3	T3, T5	-
	T8: Function to select n random questions from database. -- From the available questions, pick n questions from the database at random and generate an assignment.	2	T3	-
U3: As Miroslav, I want to be able to set correct answers to each question in an assignment.	T9: Update question creation page to have option to create answer. -- Add an additional field to map a question to an answer.	2		-

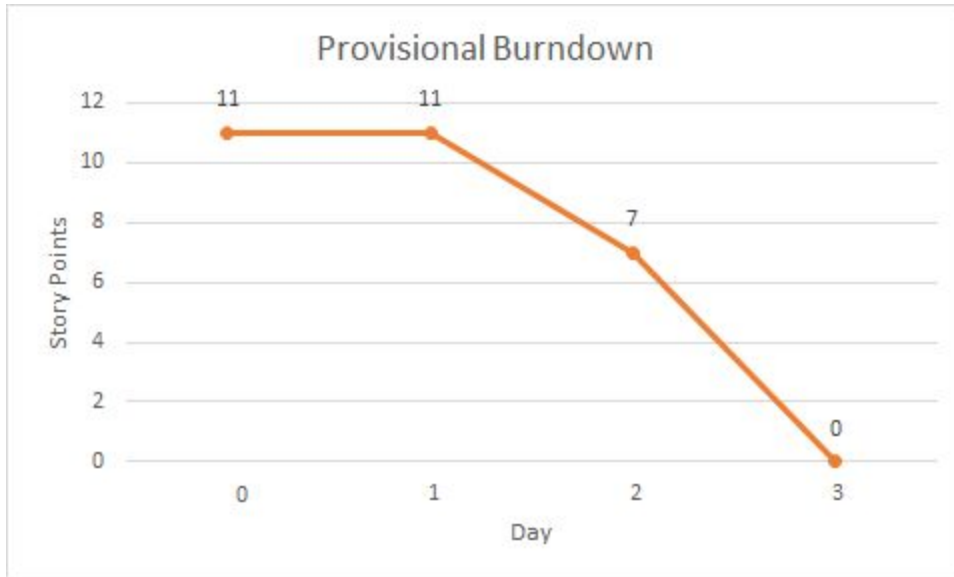
	T10: Function that takes variables and a formula and outputs answer. -- Function that evaluates a formula with given variables.	4		-
	T11: Function to that determine if user input is correct. -- Compare the corresponding answer to the question with user input. Output a “correct” message if matches, “incorrect” otherwise.	5	T9	-
U4: As Keith, I want to be able to view assignment questions.	T12: Page to display the question from the string. -- A php page to display question text from a file in the database.	3		-
	T13: Function to read string from a file. -- Function takes an assignment file from the database and is able to read the file and display on page.	2		-
	T14: Update Question display page to be able to display multiple questions. -- Take an assignment from the database and display the questions.	3	T12	-

## Provisional Execution

	Sprint Execution for : Oct 20 to Oct 23				
Team Member	Task	Task Points	Day 1	Day 2	Day 3
Darius	T1	2		2	
Kevin	T2	2			2
Adam	T3	2			2
Brian	T4	2		2	
Daniel	T5	3		1	2

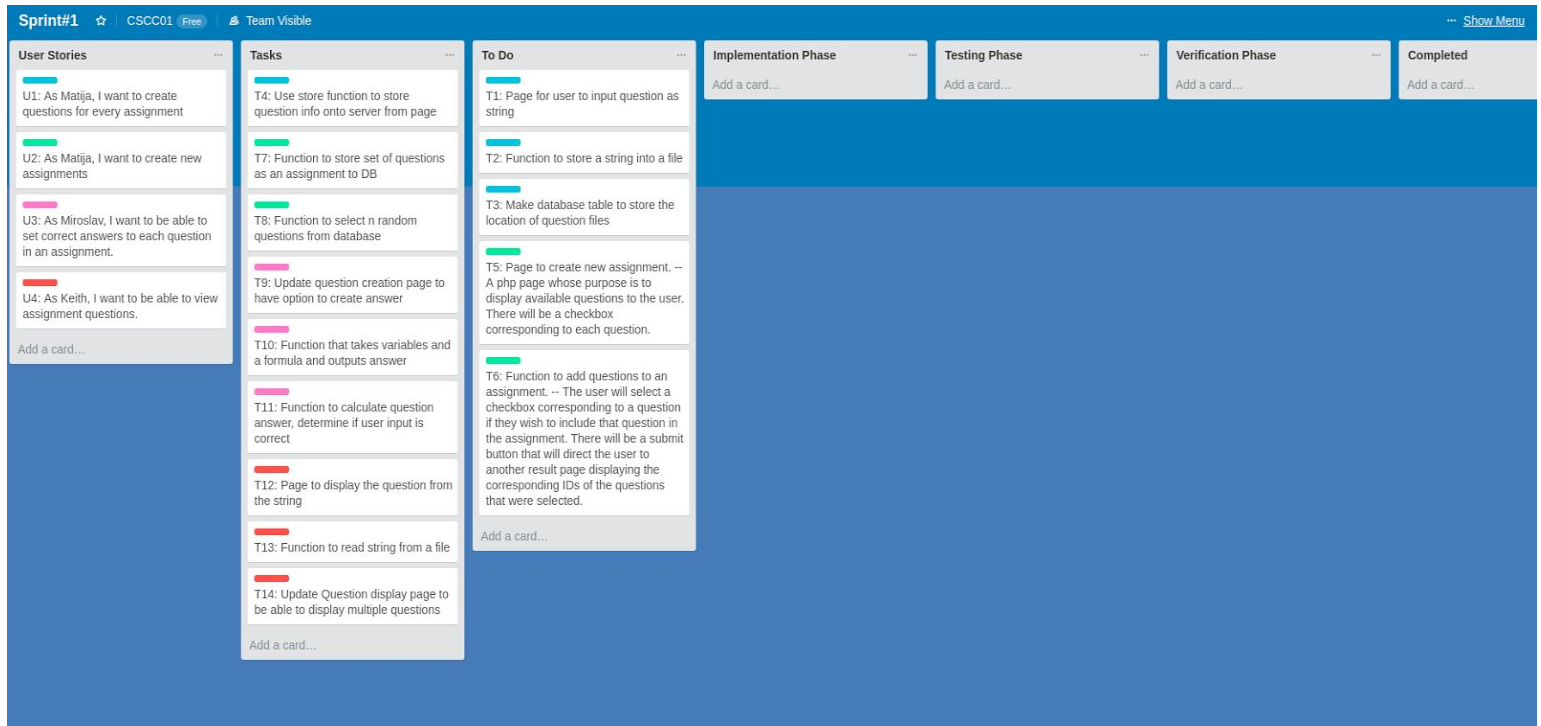
## Sprint Execution

	Sprint Execution for : Oct 20 to Oct 23				
Team Member	Task	Task Points	Day 1	Day 2	Day 3
Darius	T1	2		2	
Kevin	T2	2			2
Adam	T3	2			2
Brian	T4	2		2	
Daniel	T5	3		1	2



# Kanban Board:

## Start of Sprint:



## End of Sprint:

