

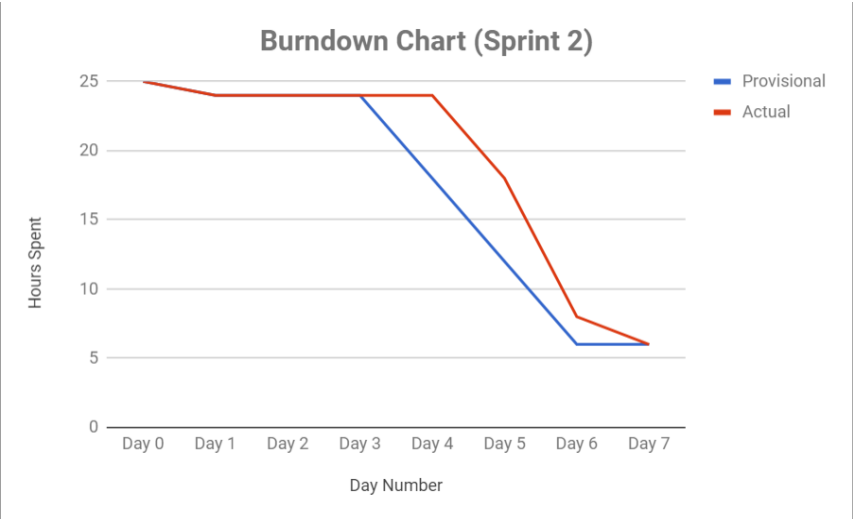
Task	Details	Description	Related user story	Story points	Dependencies	Successor
T1	Create database script to store questions and answer	Create a database with the following tables Question: questionId(primary key), question, answer, courseId Assignment: assignmentId(primary key), related_questionId(foreign key), courseId(foreign key) MC: questionId, choice Course: courseId(primary key) Implement UI framework for MC question and should include: - multiple choices - question description	As Henry, an instructor, I would like to be able to create and edit questions, with multiple choice questions and short answer As Henry, an instructor, I would like to be able to create and edit questions, with multiple choice questions and short answer	2	None	T2,T3,T4,T5,T6,T8
T2	Create Multiple Choice Question UI	Receive question data from the UI then store MC into the database Retrieval of question data from database to send to UI	As Henry, an instructor, I would like to be able to create and edit questions, with multiple choice questions and short answer	3	T1	T6,T16
T3	Implement Multiple Choice Question Backend	Receive short answer question data from the UI then store question into the database Retrieval of question data from database to send to UI	As Henry, an instructor, I would like to be able to create and edit questions, with multiple choice questions and short answer	3	T1	T6, T27
T4	Implement Short Answer Question Backend	Implement UI framework for short answer question and should include - text box - question description	As Henry, an instructor, I would like to be able to create and edit questions, with multiple choice questions and short answer	3	T1	T6
T5	Create Short Answer Question UI	Implement UI framework for all questions that are created - this including all types of questions - button to edit/delete existing questions which redirects to - button to add new question	As Henry, an instructor, I want to see all available questions and solutions	2	T1	T16
T6	Create UI to view all created question	Create UI for creating assignment such that user can create an assignment name and select existing questions to create the assignment.	As Henry, an instructor, I would like to create an assignment that has a name and a large set of question by selecting created questions	3	T3,T4	T27
T7	Implement UI for creating assignment (both MCQ and short answer)	Implement backend for creating assignment such that the assignment created from UI can be stored into the database	As Henry, an instructor, I would like to create an assignment that has a name and a large set of question by selecting created for creating assignment such that user can create an assignment name and select existing questions to create the assignment	4	T1,T2,T3,T4	T7
T8	Implement backend for creating assignment	Implement UI framework for all assignments that are created - button to edit existing assignment - button to delete existing assignment		6	T7	
T9	Add a page to view all created assignments		As Henry, an instructor, I would like to create an assignment	1	T8	
T10	Implement UI for answering assignment questions	Create a new page so that user can answer questions on an assignment Create the following tables in the database: User: utoid(primary key), email, password, course, role Marks: studentId(foreign key), assignmentId, mark, courseId(foreign key)	As Tyreke, a student, I would like to have access to require an assignment As Henry, an instructor, I would like to create an instructor account and the fields of entry for registration should at least include name, UTmail, program and password.	6	T3,T4	
T11	Update database script for users	Implement instructor account registration and login UI The fields of entry for registration should include name, UTmail, UTORid, course and password.	As Henry, an instructor, I would like to create an instructor account and the fields of entry for registration should at least include name, UTmail, program and password.	1	T1	T12,T13,T14
T12	Create UI to register and login an instructor account (after creating the account on the backend)	The entry fields for login should include UTmail and password. Implement TA account registration and login UI The fields of entry for registration should include name, UTmail, UTORid, course and password.	As Tina, a TA, I would like to be able to create a TA account and the fields of entry for registration should at least include name, UTmail, program, student number and password	1	None	T10,T11,T16
T13	Create UI to register and login a TA account (after creating the account on the backend)	The entry fields for login should include UTmail and password. update db to create new tables	As Shirley, a student, I would like to have a system/UI to create a student account to submit my assignments online. The fields of entry should at least include name, UTmail, student number, program, year, password	1	T9	T16
T14	Create UI to register and login a student account (after creating the account on the backend)	Include implementing backend (storing new account to db) An account must have the attributes: name, UTmail, UTORid, course and password.	As Henry, an instructor, I would like to create an instructor account with full access to the system.	1	T9	T16
T15	Create an instructor account in the Backend			2	T8	T15

		Include implementing backend (storing new account to db) An account must have the attributes: name, UTMail, UTORid, course and password.	As Tina, a TA, I would like to be able to create a TA account and the fields of entry for registration should at least include name, UTMail, program, student number and password	1	T8	T15
T16	Create a TA account in the Backend					
		Include implementing backend(storing new account to db) An account must have the attributes: name, UTMail, UTORid, course and password.	As Shirley, a student, I would like to have a system/UI to create a student account to submit my assignments online. The fields of entry should at least include name, UTMail, student number, program, year, password	1	T8	T15
T17	Create a student account in the Backend					
	Implement backend for answering assignment questions	Update the database after user submits an assignment				
T18		Implement UI and backend for an instructor such that he can: - update permission of TA and student account such that: - TA can view assignment before it is accessible to student and mark submitted assignments - Student can access the assignment - update visibility of assignment - update status of assignment such as due date and marks	As Tyreke, a student, I would like to have access to require As Henry, an instructor, I would like to be able to provide permissions to users, such as TA permissions such that TA can view assignment before it is accessible to student, mark submitted assignments.	3	T9,T10,T11,T17	
T19	Implement instructor permissions			2	T12,T13,T14	
	Make assignment visible to only people with the correct permission	Add visibility of assignment based on the permission	As Felix, a TA, I would like to view the assignment before	2	T7,T8	
T20						
	Generate random sets of questions for each assignment	Create function to form randomized sets of questions for each student from a large set of questions for each assignment	As Patricia, an instructor, I would like to be able to quickly	2	T7,T8	
T21		Implement UI and backend so that user can edit an existing question which includes - updating any field on the question	As Henry, an instructor, I would like to be able to create and edit questions, with multiple choice questions and short answer	1	T1,T2,T3,T4,T5	
T22	Edit existing question					
		Add function to delete question - delete should be called in view question page and edit existing question page - make sure question is deleted from both database and UI	As Henry, an instructor, I would like to be able to create and edit questions, with multiple choice questions and short answer	1	T1,T2,T3,T4,T5	
T23	Delete existing question	Implement UI and backend so that user can edit an existing assignment which includes - update the associated questions - update the name of assignment	As Henry, an instructor, I would like to be able to create and edit questions, with multiple choice questions and short answer	1	T1,T2,T3,T4,T5	
T24	Edit existing assignment					
		Add function to delete assignment - delete should be called in view assignments page and edit existing assignment page - make sure assignment is deleted from both database and UI	As Henry, an instructor, I would like to be able to create and edit questions, with multiple choice questions and short answer	1	T1,T2,T3,T4,T5	
T25	Delete existing assignment	Update the UI so that the background is not blue or yellow	As Shirley, a student, I would like the User Interface to be accessible to visually impaired, which means the background is not blue or yellow	1	T2,T5,T9,T10,T11	
T26	Update UI for accessibility of the visually impaired					
		Currently, can only show multiple choice or short answer - not both at once. Need to add radio button functionality to make one visible and the other invisible after respective button selection	As Henry, an instructor, I would like to be able to create and edit questions, with multiple choice questions and short answer	1	T3, T6	
T27	Update Add Question Page UI to support both short answer and multiple choice questions					

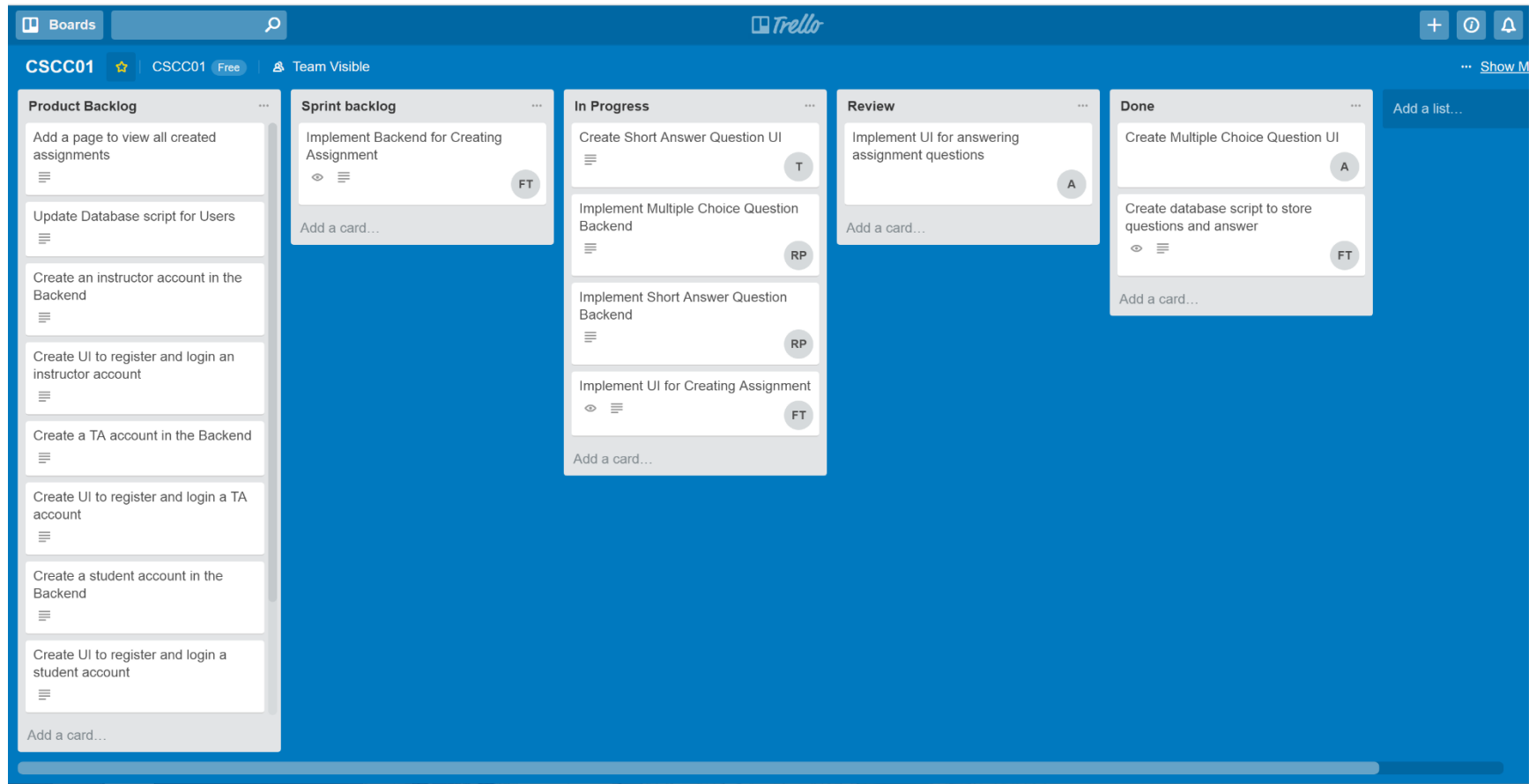
SPRINT PLAN	Task	Task Points	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
	T3	3			Rene	1			
	T4	3						Rene	1
	T5	2				Talha 1	Talha 1		
	T6	1	Felicia 1						
	T7	4	Felicia 3				Felicia 1		
	T8	6					Felicia 3	Felicia 3	
	T10	6	Adrian 2		Adrian 2	Adrian 2			

SPRINT EXEC.	Task	Task Points	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
	T3	3		Rene 1					
	T4	3					Rene 1		
	T5	2							Talha 2
	T6	1	Felicia 1						
	T7	4	Felicia		Felicia 3			Felicia 1	
	T8	6	Felicia			Felicia 3		Felicia 3	
	T10	6	Adrian 2				Adrian 4		

BURDOWN CHART	Days	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
	Provisional	25	24	24	24		18	12	6
	Actual	25	24	24	24	24	18	8	6



Kanban Before:



Kanban After:

The screenshot shows a Trello Kanban board for a project named 'CSCC01'. The board is organized into five columns: Product Backlog, Sprint backlog, In Progress, Review, and Done. The 'Product Backlog' column contains seven tasks related to creating accounts and UI for instructors, TAs, and students. The 'Sprint backlog' column is currently empty. The 'In Progress' column has one task: 'Create Short Answer Question UI'. The 'Review' column has one task: 'Implement UI for answering assignment questions'. The 'Done' column contains six completed tasks, including creating a UI for multiple choice questions, a database script, and backend implementations for creating assignments, multiple choice questions, and short answer questions. Each task card includes a title, a list icon, and a status indicator (T, A, FT, or RP). The board interface includes a top navigation bar with 'Boards', a search bar, and the Trello logo, and a bottom status bar.

Boards

CSCC01 **CSCC01** **Free** **Team Visible** [Show M...](#)

Product Backlog

- Add a page to view all created assignments
- Update Database script for Users
- Create an instructor account in the Backend
- Create UI to register and login an instructor account
- Create a TA account in the Backend
- Create UI to register and login a TA account
- Create a student account in the Backend
- Create UI to register and login a student account
- Add a card...

Sprint backlog

- Add a card...

In Progress

- Create Short Answer Question UI
- Add a card...

Review

- Implement UI for answering assignment questions
- Add a card...

Done

- Create Multiple Choice Question UI
- Create database script to store questions and answer
- Implement UI for Creating Assignment
- Implement Backend for Creating Assignment
- Implement Multiple Choice Question Backend
- Implement Short Answer Question Backend
- Add a card...

Add a list...