

Scrum Manager Project

Full Stack Development - Immersive Program SDGKU

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PROJECT IDEA

Scrum Manager is a software application used for issue tracking and project management.

The system permits to users create projects, sprints, task, subtask. The Scrum Manager project can be used for the following purposes:

- Task Management
- Project Management
- Scrum Agile Methodology

FUNCTIONAL REQUIREMENTS

1. The user must be able to register an account to the application
 - 1.1 The user must be able to insert his/her email
 - 1.2 The user must be able to insert his/her password
 - 1.2.1 The user must be able to confirm his/her password
 - 1.3 The user must be able to insert his/her full name
2. The user must be able to login to the application
 - 2.1 The user must be able to insert his/her email
 - 2.2 The user must be able to insert his/her password
3. The user must be able to log out to the application
4. The user must be able to create a project in the application
 - 4.1 The user must be able to insert project's name
5. The user must be able to create issues in the application
 - 5.1 The user must be able to select the project name
 - 5.2 The user must be able to select the issue type
 - 5.2.1 The user must be able to classify the issues in the project
 - 5.2.1.1 The user must be able to create an Epic
 - 5.2.1.2 The user must be able to create a Story
 - 5.2.1.3 The user must be able to create a Bug
 - 5.2.1.4 The user must be able to create a Task

- 5.3 The user must be able to create a Sub-Task
- 5.4 The user must be able to insert the summary
- 5.5 The user must be able to insert the description
- 5.6 The user must be able to insert a label
- 5.7 The user must be able to select a sprint
- 6. The user must be able to check the issue information
- 7. The user must be able to change task status in the workflow
 - 7.1 The user must be able to change the status to "To do" in the workflow
 - 7.2 The user must be able to change the status to "In progress" in the workflow
 - 7.3 The user must be able to change the status to "Done" in the workflow
- 8. The user must be able to start sprint in the application
- 9. The user must be able to insert a Sprint Name
 - 9.1 The user must be able to insert Duration
 - 9.2 The user must be able to insert Start Date
 - 9.3 The user must be able to insert End Date
 - 9.4 The user must be able to insert Sprint Goal
- 10. The user must be able to edit sprint in the application
- 11. The user must be able to delete sprint in the application
- 12. The user must be able to complete sprint
 - 12.1 The user must be able to check completed issues
 - 12.2 The user must be able to check open issues
- 13. The user must be able to check the sprint backlog
- 14. The user must be able to check the board

TEST CASES

Requirement 1.0: The user must be able to register an account by registering username, email, password.

1. Verify user entry by checking the database. Register user in the system.
2. Username is already registered. User can't be register in the system.
3. Verify if a user can sign-up successfully with all the mandatory details.
4. All cases must pass/not pass 100% of the time. Repeat each test 100 times.

Requirement 2.0: The user must be able to login by inserting his username and password.

1. Both username and password are correct. User access the system
2. Username wrong. User can't access the system.
3. Password wrong. User can't access the system.
4. All cases must pass/not pass 100% of the time. Repeat each test 100 times.

Requirement 3.0: The user must be able to logout from the application.

1. Logout option should not be visible till the user is logged in.
2. After successful login, check whether clicking on Logout option, redirects you to the login page or not.
3. All cases must pass/not pass 100% of the time. Repeat each test 100 times.

Requirement 4.0: The user must be able to create a project in the application.

1. Project's name should be a string. Verify if the user provides the type of data required. User can create a project.
2. Verify if doesn't exist a project with the same name. User can't create the project.
3. All cases must pass/not pass 100% of the time. Repeat each test 100 times.

Requirement 5.0: The user must be able to create issues in the application.

1. Project name, Issue type, Sub-Task, Summary, Description, Label, Sprint fields are correct. User can create an issue.
2. Field information provided is wrong or empty. User can't create issue.
3. Project name isn't a string value or is empty. User can't create issue.
4. Issue type isn't a string value or is empty. User can't create issue.
5. Sub-Task isn't a string value or is empty. User can't create issue.
6. Summary isn't a string value or is empty. User can't create issue.
7. Description isn't a string value or is empty. User can't create issue.
8. Label isn't a string value or is empty. User can't create issue.
9. Sprint isn't a string value or is empty. User can't create issue.
10. Verify if doesn't exist an issue with the same name. User can't create the issue.
11. All cases must pass/not pass 100% of the time. Repeat each test 100 times.

Requirement 6.0: The user must be able to check the issue information.

1. Issue is already registered. User can check the issue information.
2. All cases must pass/not pass 100% of the time. Repeat each test 100 times.

Requirement 7.0: The user must be able to change task status in the workflow.

1. Issues are already registered. User can change task status in the workflow.
2. All cases must pass/not pass 100% of the time. Repeat each test 100 times.

Requirement 8.0: The user must be able to start a sprint in the application.

1. Sprint name, Duration, Start date, End date, Sprint goal fields are correct. User can start the sprint.

2. Field information provided is wrong or empty. User can't start the sprint.
3. Sprint name isn't a string value or is empty. User can't start the sprint.
4. Duration isn't a time value or is empty. User can't start the sprint.
5. Start date isn't a date value or is empty. User can't start the sprint.
6. End date isn't a date value or is empty. User can't start the sprint.
7. Sprint goal isn't a string value or is empty. User can't start the sprint.
8. All cases must pass/not pass 100% of the time. Repeat each test 100 times.

Requirement 9.0: The user must be able to edit sprint in the application.

1. New field information provided is correct. User can edit the sprint.
2. New field information is wrong or empty. User can't edit the sprint
3. All cases must pass/not pass 100% of the time. Repeat each test 100 times.

Requirement 10.0: The user must be able to delete sprint in the application.

1. A sprint has started and the user selects the delete sprint option. User can delete a sprint.
2. All cases must pass/not pass 100% of the time. Repeat each test 100 times.

Requirement 11.0: The user must be able to complete sprint in the application.

1. A sprint has started and the user selects the complete sprint option. User can complete the sprint.
2. All cases must pass/not pass 100% of the time. Repeat each test 100 times.

Requirement 12.0: The user must be able to check the sprint backlog.

1. Sprint has already started. User can check the sprint backlog.

2. There isn't a sprint started. User can't check the sprint backlog.
3. All cases must pass/not pass 100% of the time. Repeat each test 100 times.

Requirement 13.0: The user must be able to check the board.

1. Issues have been already registered. User can check the board.
2. There aren't any issues registered. User can't check the board.
3. All cases must pass/not pass 100% of the time. Repeat each test 100 times.

TASK ANALYSIS

LOG IN

1. Enter username
2. Enter password
3. Don't have an account? Register
4. Click on login button

REGISTER

1. Enter username
2. Enter password
3. Enter password confirmation
4. Already have an account? Login
5. Click on register button

LOGOUT

1. Click on logout button

ADD TASK

1. Click on add task button
2. Enter user
3. Enter tittle
4. Enter description
5. Enter complete
6. Enter project name
7. Enter summary
8. Enter label
9. Enter sprint
10. Enter status
11. Click on submit button

CHECK TASK DETAIL

1. Click on detail button
2. Check task details
 - a. Check user
 - b. Check tittle
 - c. Check description
 - d. Check complete
 - e. Check project name

- f. Check summary
- g. Check label
- h. Check sprint
- i. Check status

EDIT TASK

1. Click on edit button
2. Edit the tasks
 - a. Edit user
 - b. Edit tittle
 - c. Edit description
 - d. Edit complete
 - e. Edit project name
 - f. Edit summary
 - g. Edit label
 - h. Edit sprint
 - i. Edit status
3. Click on submit button

DELETE TASK

1. Click on delete button
2. Click on ok button to confirm the task to delete
3. Click on cancel button

COMPLETE SPRINT

1. Click on complete sprint button
2. Click on cancel button

EDIT SPRINT

1. Click on edit
2. Edit the sprint
 - a. Edit sprint name
 - b. Edit duration
 - c. Edit start date
 - d. Edit end date
 - e. Edit sprint goal
3. Click on edit sprint

DELETE SPRINT

1. Click on delete button
2. Click on ok button to confirm the sprint to delete
3. Click on cancel button

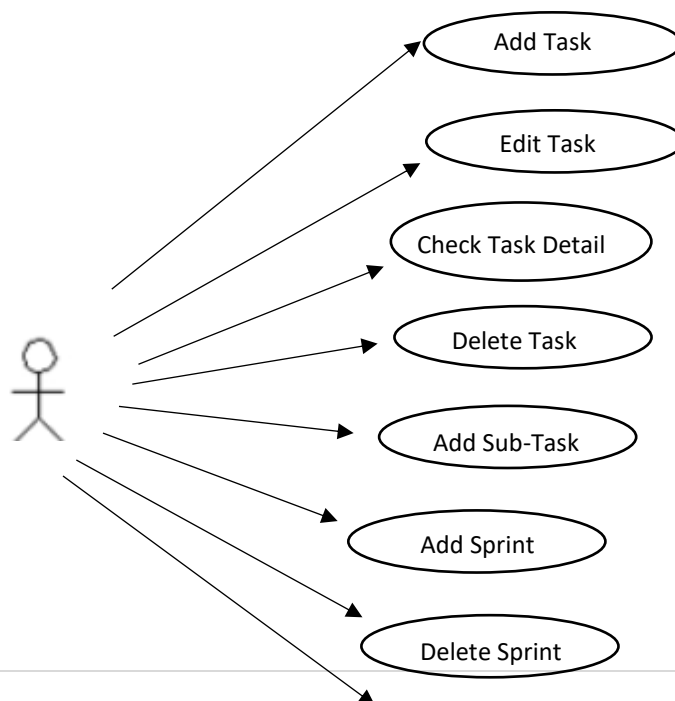
CREATE SPRINT

1. Click on create sprint
2. Enter sprint name
3. Enter duration
4. Enter start date
5. Enter end date
6. Enter sprint goal
7. Click on start sprint button

USER MODEL

Model UserProfile:

username	→	username: johncollins
password	→	password: *****



PERSONAS DERIVED FROM THE RESULTING USER MODEL.



John Collins

“Never stop learning because life never stops teaching”

Age: 28

Location: San Diego CA. United States.

Occupation: Software Developer

Income: 78k

Status: Single

By day, John is a developer. He is working as a developer of different web applications but he has a lot of responsibilities and something he is confusing about what are their task for each project.

Goals

Know his pending task for each project

Frustrations

Have a clear goal for each project in any sprint

Personality Traits

Learning

Self-taught person

Introvert

Research question	Where are the problem areas on creating a new task?
Scenario	Imagine that you need register a new task
Task	Starting on the login page, once you have logged in you can see all the tasks registered, then you have a button that says add task, after pressing this button a form appears, and finally you need to press submit to register the task.
Inputs (if needed)	User: odasys pass: taskmanager
Steps	<ol style="list-style-type: none"> 1. Enter username 2. Enter password 3. Press the login button 4. After login, press the button add task 5. Field the form 6. Press submit button
Success criteria	The new task should be register

USABILITY TASKS

Research question	Where are the problem areas on creating a new sprint?
Scenario	Imagine that you need register a new sprint
Task	Starting on the login page, once you have logged in you can see all the tasks registered, the you don't have any option to register a new sprint but we have a menu, in the next option of the menu you have the option backlog, in this view exists a button create sprint if I press the button a field appears, finally after pressing start sprint a new sprint is register
Inputs (if needed)	User: odasys pass: taskmanager
Steps	<ol style="list-style-type: none"> 1. Enter username 2. Enter password 3. Press the login button 4. After login, press the burger menu backlog 5. Press the button create sprint 6. Field the form 7. Press the button start sprint
Success criteria	The new sprint should be register

Task 1: Register a new task

Task 2: Register a new sprint

Research question	Where are the problem areas on edit a task?
Scenario	Imagine that you need edit the information for a task
Task	Starting on the login page, once you have logged in you can see all the tasks registered, then you have a button that says edit, after pressing this button a form appears, and finally you need to press submit to save the changes.
Inputs (if needed)	User: odasys pass: taskmanager
Steps	<ol style="list-style-type: none"> 7. Enter username 8. Enter password 9. Press the login button 10. After login, press the button edit 11. Field the form 12. Press submit button
Success criteria	A task information is edited.

Task 3: Edit a task

Task 4: Create a sprint

Task 5: Delete a task

Research question	Where are the problem areas on delete a task?
Scenario	Imagine that you need delete a task
Task	Starting on the login page, once you have logged in you can see all the tasks registered, then you have a button that says delete, after pressing this button a confirmation message appears, and finally you need to press ok to delete the task.
Inputs (if needed)	User: odasys pass: taskmanager
Steps	<ol style="list-style-type: none">1. Enter username2. Enter password3. Press the login button4. After login, press the button delete5. Press ok
Success criteria	A task should be deleted.

Task 6: Delete a sprint

Research question	Where are the problem areas on creating a new sprint?
Scenario	Imagine that you need register a new sprint
Task	Starting on the login page, once you have logged in you can see all the tasks registered, the you don't have any option to register a new sprint but we have a menu, in the next option of the menu you have the option backlog, in this view exists a button edit in each sprint if I press the button a field appears, finally after pressing submit a new sprint is register
Inputs (if needed)	User: odasys pass: taskmanager
Steps	<ol style="list-style-type: none">8. Enter username9. Enter password10. Press the login button11. After login, press the burger menu backlog12. Press the button create sprint13. Field the form14. Press the button start sprint
Success criteria	The sprint should be edited

Research question	Where are the problem areas on checking a task?
Scenario	Imagine that you need check a task detail
Task	Starting on the login page, once you have logged in you can see all the tasks registered, then you have a button that says details, after pressing this button all the task information appears
Inputs (if needed)	User: odasys pass: taskmanager
Steps	<ol style="list-style-type: none"> 1. Enter username 2. Enter password 3. Press the login button 4. After login, press the button detail
Success criteria	A task should be deleted.

Task 7: Check task details

Task 8: Check sprint details

Research question	Where are the problem areas on delete a sprint?
Scenario	Imagine that you need to delete a sprint
Task	Starting on the login page, once you have logged in you can see all the tasks registered, the you don't have any option to register a new sprint but we have a menu, in the next option of the menu you have the option backlog, in this view exists a button delete in each sprint if I press the button a message appears, finally after pressing ok the sprint should be deleted.
Inputs (if needed)	User: odasys pass: taskmanager
Steps	<ol style="list-style-type: none"> 1. Enter username 2. Enter password 3. Press the login button 4. After login, press the burger menu backlog 5. Press the button delete 6. Press the button ok
Success criteria	The sprint should be deleted

PRODUCT BACKLOG

Research question	Where are the problem areas on checking a sprint?	
Scenario	Imagine that you need to check a sprint detail	
Task	Starting on the login page, once you have logged in you can see all the tasks registered, the you don't have any option to register a new sprint but we have a menu, in the next option of the menu you have the option backlog, in this view exists a button delete in each sprint if I press the button a message appears, finally after pressing ok the sprint should be deleted.	
Inputs (if needed)	User: odasys pass: taskmanager	
Steps	<ol style="list-style-type: none">1. Enter username2. Enter password3. Press the login button4. After login, press the burger menu backlog5. Press the button detail	
Success criteria	The sprint should be deleted	

Backlog Item	Estimate
As a user I must be able to register an account to use the application	19
As a user I need to be able to login to my account from any page on the website	13
As a user I need to be able to logout to my account from any page on the website	10
As a user I must be able to create a project in the application	17
As a user I must be able to create issues in the application	19
As a user I must be able to check the issue information	9
As a user I must be able to change task status in the workflow	8
As a user I must be able to start a sprint in the application	21
As a user I must be able to edit sprint in the application	16

As a user I must be able to delete sprint in the application	11
As a user I must be able to complete sprint in the application	11
As a user I must be able to check the sprint backlog	15
As a user I must be able to check the board	16

SPRINT BACKLOGS

SPRINT 1

User Story	Tasks	Owner	Status	Estimated effort	Week 1					Week 2				
					Day 1	Day 2	Day 3	Day 4	Day 5	Day 1	Day 2	Day 3	Day 4	Day 5
As a user I must be able to register an account to use the application	Create a view/template to the register an account	Dev 1	To Do	19	3	0	0	0	0	0	0	0	0	0
	Create a user model/database	Dev 1	To Do		0	2	2	0	0	0	0	0	0	0
	Business logic	Dev 1	To Do		0	0	0	3	2	0	0	0	0	0
	Add CSS style	Dev 1	To Do		0	0	0	0	1	2	0	0	0	0
	Code unit test for the TC001	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	1	1	0	0
	Testing. Check test cases TC001	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	0	0	1	1
As a user I need to be able to login to my account from any page on the website	Create a view/template to the login page	Dev 2	To Do	13	3	0	0	0	0	0	0	0	0	0
	Business logic	Dev 2	To Do		0	2	2	0	0	0	0	0	0	0
	Add CSS style	Dev 2	To Do		0	0	0	1	1	0	0	0	0	0
	Code unit test for the TC002	Dev 1/ Dev 2	To Do		0	0	0	0	0	0	1	1	0	0
	Testing. Check test cases TC002	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	0	0	1	1
As a user I need to be able to logout to my account from any	Create a view/template to logout	Dev 2	To Do	10	0	2	0	0	0	0	0	0	0	0
	Business logic	Dev 2	To Do		0	0	1	1	0	0	0	0	0	0
	Add CSS style	Dev 2	To Do		0	0	0	0	1	1	0	0	0	0

page on the website	Code unit test for the TC003	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	1	1	0	0
	Testing. Check test cases TC003	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	0	0	1	1
				42	6	6	5	5	5	3	3	3	3	3

SPRINT 2

User Story	Tasks	Owner	Status	Estimated effort	Week 1					Week 2				
					Day 1	Day 2	Day 3	Day 4	Day 5	Day 1	Day 2	Day 3	Day 4	Day 5
As a user I must be able to create a project in the application	Create view/template to create a project	Dev 1	To Do	17	3	0	0	0	0	0	0	0	0	0
	Create the project model/database	Dev 1	To Do		0	2	1	0	0	0	0	0	0	0
	Business logic	Dev 1	To Do		1	1	1	0	0	0	0	0	0	0
	Add CSS style	Dev 1	To Do		0	0	0	0	1	0	0	0	0	0
	Code unit test for the TC004	Dev 1 / Dev 2	To Do		0	0	1	0	0	0	1	1	0	0
	Testing. Check test cases TC004	Dev 1 / Dev 2	To Do		0	0	0	0	1	1	0	0	1	1
As a user I must be able to create issues in the application	Create view/template to register an issue	Dev 2	To Do	19	3	0	0	3	0	0	0	0	0	0
	Create the issue model/database	Dev 2	To Do		0	2	1	0	0	0	0	0	0	0
	Business logic	Dev 2	To Do		0	0	1	1	0	0	0	0	0	0
	Add CSS style	Dev 2	To Do		0	0	0	0	1	0	0	0	0	0
	Code unit test for the TC005	Dev 1 / Dev 2	To Do		0	0	1	0	0	0	1	1	0	0

	Testing. Check test cases TC005	Dev 1 / Dev 2	To Do		0	0	0	0	1	1	0	0	1	1
As a user I must be able to check the issue information	Create view/template to check the issue description	Dev 1	To Do	9	0	1	1	0	0	0	0	0	0	0
	Business logic	Dev 1	To Do		0	1	0	1	0	0	0	0	0	0
	Add CSS style	Dev 1	To Do		0	0	0	0	0	1	0	0	0	0
	Code unit test for the TC006	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	1	1	0	0
	Testing. Check test cases TC006	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	0	0	1	1
As a user I must be able to change task status in the workflow	Business logic	Dev 2	To Do	8	0	0	0	1	1	2	0	0	0	0
	Code unit test for the TC007	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	1	1	0	0
	Testing. Check test cases TC007	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	0	0	1	1
				53	7	7	7	6	5	5	4	4	4	4

SPRINT 3

User Story	Tasks	Owner	Status	Estimated effort	Week 1					Week 2				
					Day 1	Day 2	Day 3	Day 4	Day 5	Day 1	Day 2	Day 3	Day 4	Day 5
As a user I must be able to start a sprint in the application	Create view/template to create a sprint	Dev 1	To Do	21	3	0	0	0	0	0	0	0	0	0
	Create the sprint model/database	Dev 1	To Do		0	2	2	0	0	0	0	0	0	0
	Business logic	Dev 1	To Do		0	0	2	3	1	0	0	0	0	0
	Add CSS style	Dev 1	To Do		0	0	0	1	1	2	0	0	0	0
	Code unit test for the TC008	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	1	1	0	0
	Testing. Check test cases TC008	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	0	0	1	1
As a user I must be able to edit sprint in the application	Create view/template to edit a sprint	Dev 2	To Do	16	3	0	0	0	0	0	0	0	0	0
	Business logic	Dev 2	To Do		0	3	2	0	0	0	0	0	0	0
	Add CSS style	Dev 2	To Do		0	0	0	2	1	1	0	0	0	0
	Code unit test for the TC009	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	1	1	0	0
	Testing. Check test cases TC009	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	0	0	1	1
As a user I must be able to delete sprint in the application	Create view/template to delete a sprint	Dev 2	To Do	11	1	0	0	0	0	0	0	0	0	0
	Business logic	Dev 2	To Do		1	2	1	0	0	0	0	0	0	0
	Add CSS style	Dev 1	To Do		0	0	0	1	1	0	0	0	0	0

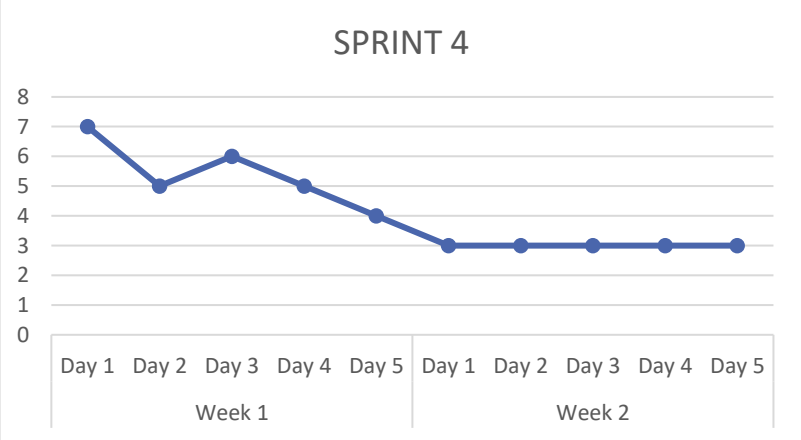
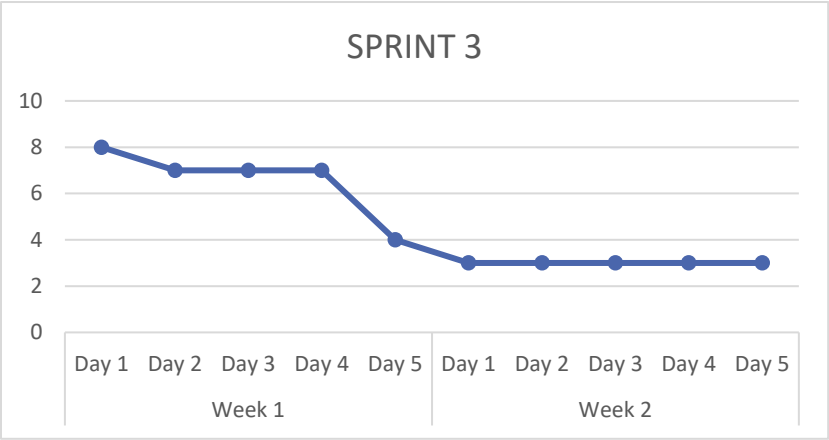
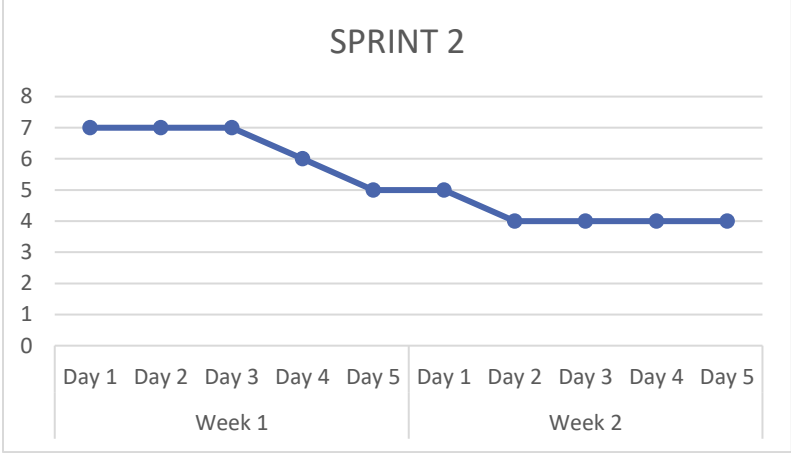
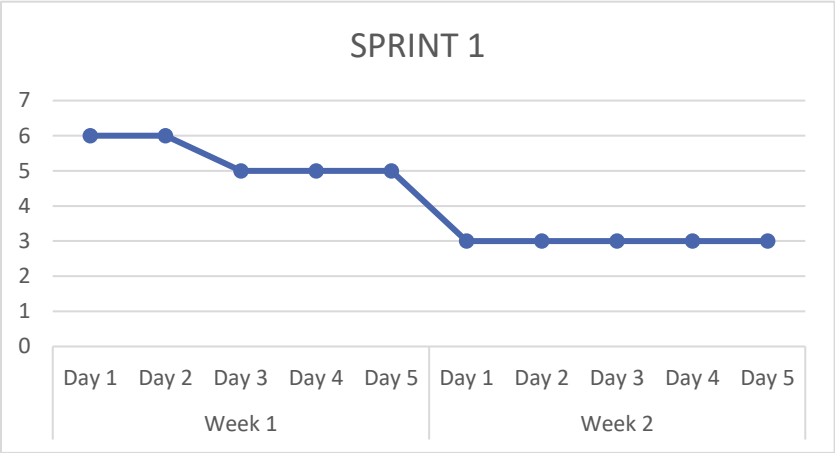
	Code unit test for the test case TC010	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	1	1	0	0
	Testing. Check test cases TC010	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	0	0	1	1
				48	8	7	7	7	4	3	3	3	3	3

SPRINT 4														
User Story	Tasks	Owner	Status	Estimated effort	Week 1					Week 2				
					Day 1	Day 2	Day 3	Day 4	Day 5	Day 1	Day 2	Day 3	Day 4	Day 5
As a user I must be able to complete sprint in the application	Create view/template to complete a sprint	Dev 1	To Do	11	1	1	0	0	0	0	0	0	0	0
	Business logic	Dev 2	To Do		0	0	2	1	0	0	0	0	0	0
	Add CSS style	Dev 1	To Do		0	0	0	0	1	1	0	0	0	0
	Code unit test for the test case TC011	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	1	1	0	0
	Testing. Check test cases TC011	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	0	0	1	1
As a user I must be able to check the sprint backlog	Create view/template to check the sprint backlog	Dev 1	To Do	15	3	0	0	0	0	0	0	0	0	0
	Business logic	Dev 1	To Do		0	2	2	2	0	0	0	0	0	0
	Add CSS style	Dev 1	To Do		0	0	0	0	1	1	0	0	0	0
	Code unit test for the test case TC012	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	1	1	0	0
	Testing. Check test cases TC012	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	0	0	1	1

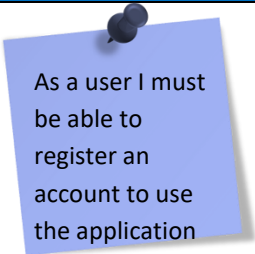
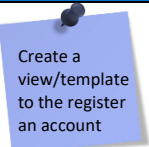



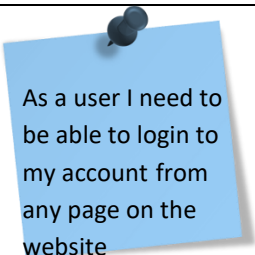
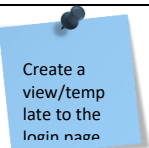
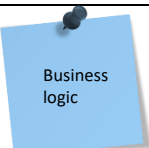
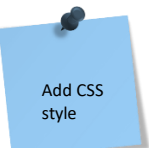
As a user I must be able to check the board	Create view/template to check the board	Dev 2	To Do	16	3	0	0	0	0	0	0	0	0	0	0
	Business logic	Dev 2	To Do		0	2	2	2	0	0	0	0	0	0	0
	Add CSS style	Dev 2	To Do		0	0	0	0	2	1	0	0	0	0	0
	Code unit test for the test case TC013	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	1	1	0	0	0
	Testing. Check test cases TC013	Dev 1 / Dev 2	To Do		0	0	0	0	0	0	0	0	1	1	1
				42	7	5	6	5	4	3	3	3	3	3	3


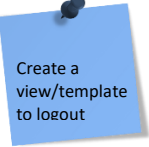



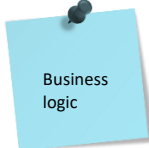

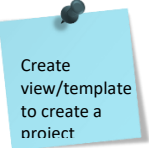






Duration of Sprints: 2 Weeks

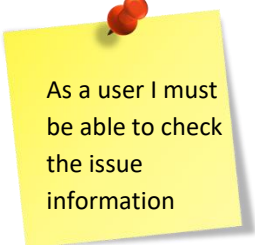



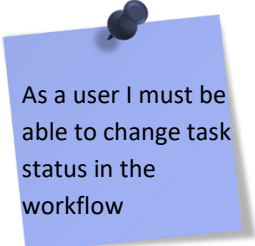
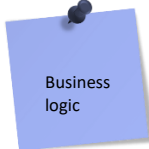
SCRUM ARTIFACTS - BURNDOWN CHART




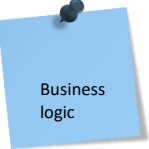


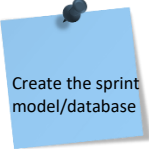
SCRUM ARTIFACTS - SCRUM BOARD


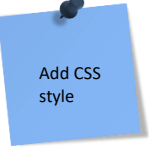




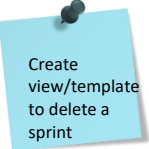

Sprint 1				
Stories	To Do	In Progress	Testing	Done
 <p>As a user I must be able to register an account to use the application</p>				 <p>Create a view/template to the register an account</p>  <p>Create a user model/data base</p>  <p>Business logic</p>  <p>Add CSS style</p>
 <p>As a user I need to be able to login to my account from any page on the website</p>				 <p>Create a view/template to the login page</p>  <p>Business logic</p>  <p>Add CSS style</p>




 <p>As a user I need to be able to logout to my account from any page on the application</p>				  
Sprint 2				
Stories	To Do	In Progress	Testing	Done
 <p>As a user I must be able to create a project in the application</p>	 			 
 <p>As a user I must be able to create issues in the application</p>				  

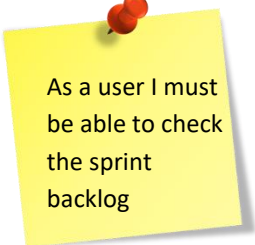
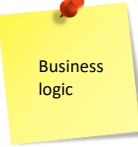





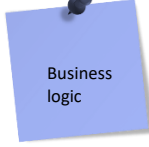
 <p>As a user I must be able to check the issue information</p>		 <p>Add CSS style</p>		 <p>Create view/template to check the issue description</p>  <p>Business logic</p>
 <p>As a user I must be able to change task status in the workflow</p>	 <p>Business logic</p>			

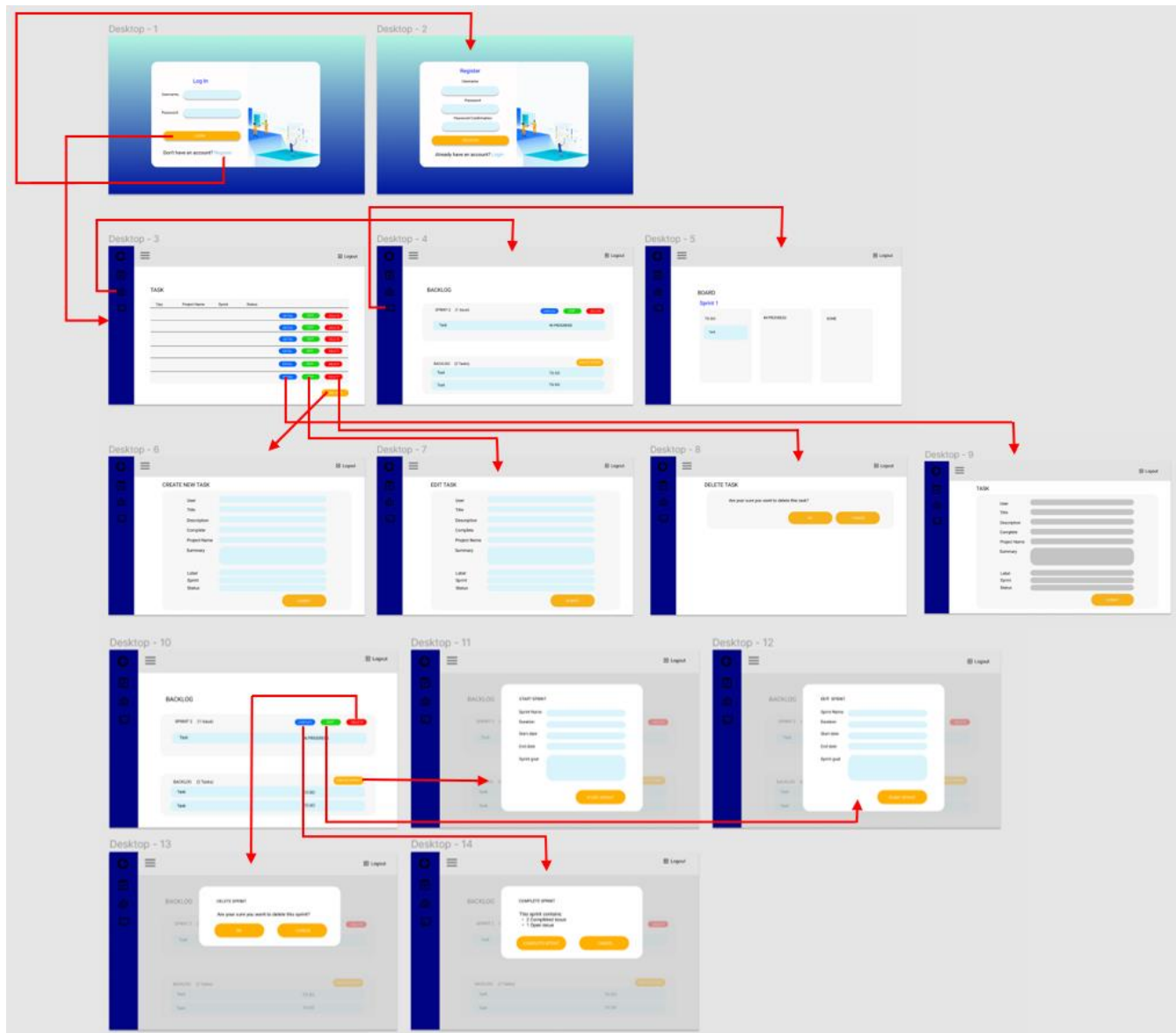
Sprint 3

Stories	To Do	In Progress	Testing	Done
 <p>As a user I must be able to start a sprint in the application</p>		 <p>Business logic</p>  <p>Add CSS style</p>		 <p>Create view/template to create a sprint</p>  <p>Create the sprint model/database</p>

 As a user I must be able to edit sprint in the application		 Add CSS style		 Create view/template to edit a sprint	 Business logic
 As a user I must be able to delete sprint in the application		 Add CSS style		 Create view/template to delete a sprint	 Business logic

Sprint 4				
Stories	To Do	In Progress	Testing	Done
 As a user I must be able to complete sprint in the application		 Add CSS style		 Create view/template to complete a sprint

 <p>As a user I must be able to check the sprint backlog</p>		 <p>Business logic</p>  <p>Add CSS style</p>		 <p>Create view/template to check the sprint backlog</p>
 <p>As a user I must be able to check the board</p>	 <p>Create view/template to check the board</p>  <p>Add CSS style</p>  <p>Business logic</p>			



Log In

Username:

Password:

LOGIN

Don't have an account? [Register](#)



Register

Username

Password

Password Confirmation

REGISTER

Already have an account? [Login](#)



TASK

[illegible]

BACKLOG

SPRINT 2 (1 Issue)

COMPLETE

EDIT

DELETE

Task

IN PROGRESS

BACKLOG (2 Tasks)

CREATE SPRINT

Task

TO DO

Task

TO DO





Logout

BOARD

Sprint 1

TO DO

Task

IN PROGRESS

DONE





Logout

CREATE NEW TASK

User

Title

Description

Complete

Project Name





Summary





Label


Sprint


Status

SUBMIT









Logout

Logout

EDIT TASK

User

Title

Description

Complete

Project Name

Summary

Label

Sprint

Status

SUBMIT

DELETE TASK

Are your sure you want to delete this task?

OK

CANCEL

TASK

User	
Title	
Description	
Complete	
Project Name	
Summary	
Label	
Sprint	
Status	

BACKLOG

SPRINT 2 (1 Issue)

COMPLETE

EDIT

DELETE

Task

IN PROGRESS

BACKLOG (2 Tasks)

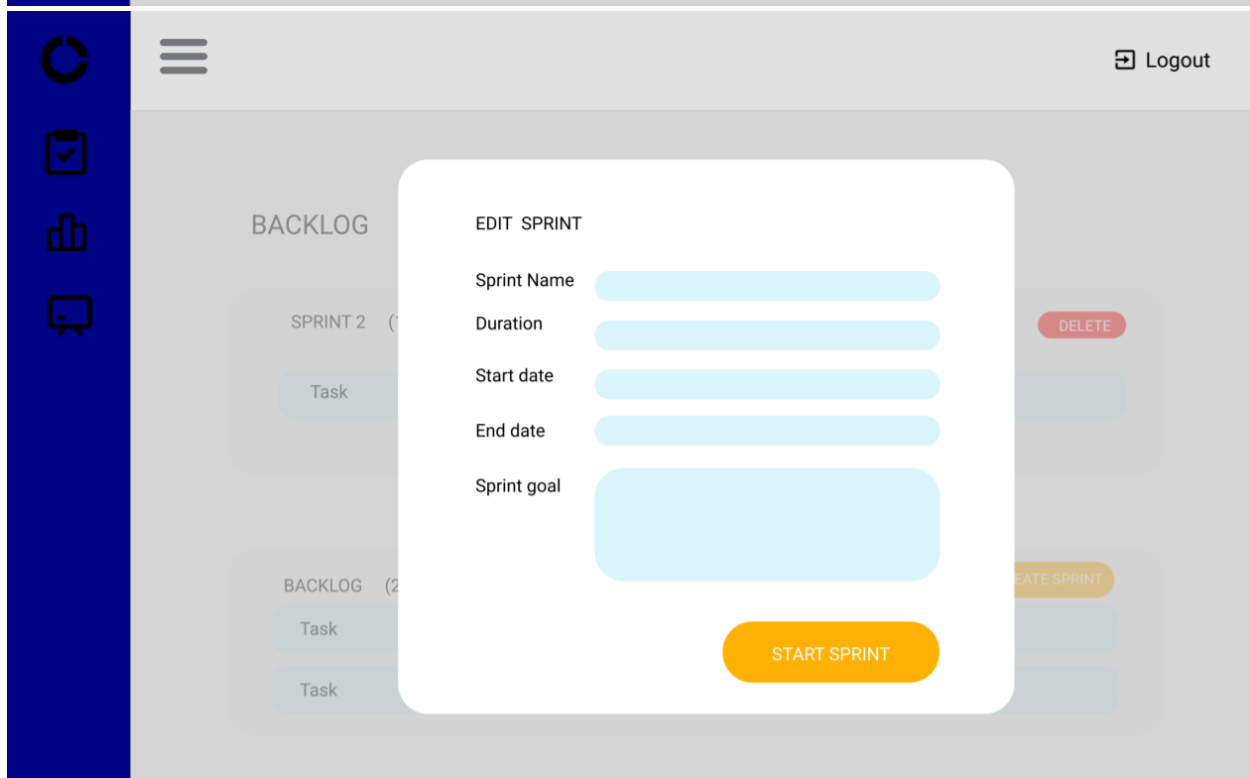
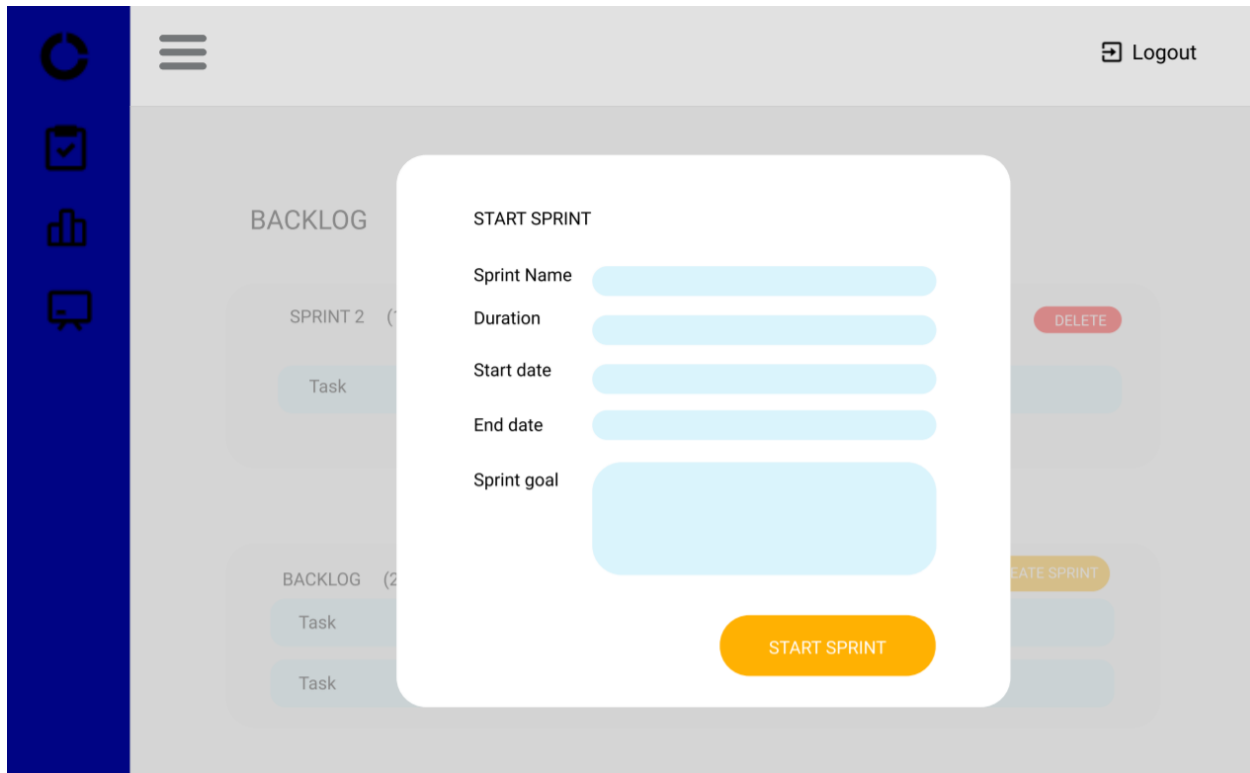
CREATE SPRINT

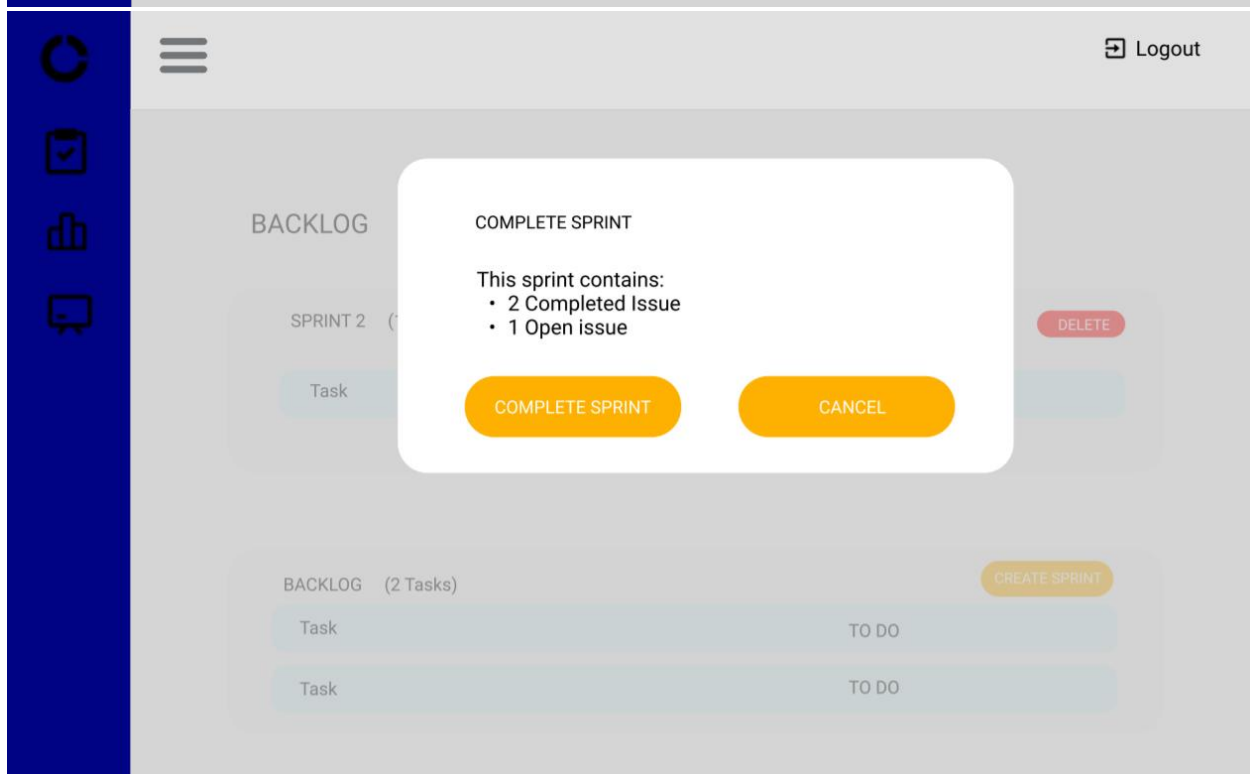
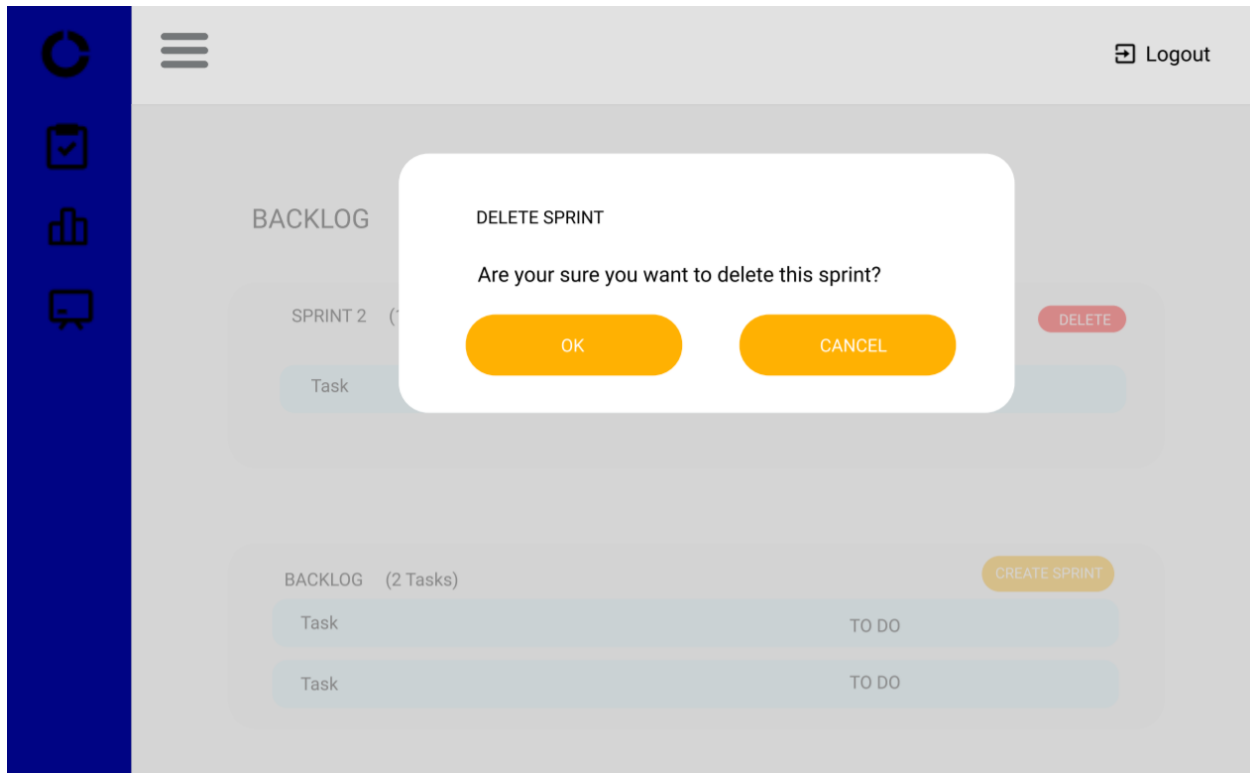
Task

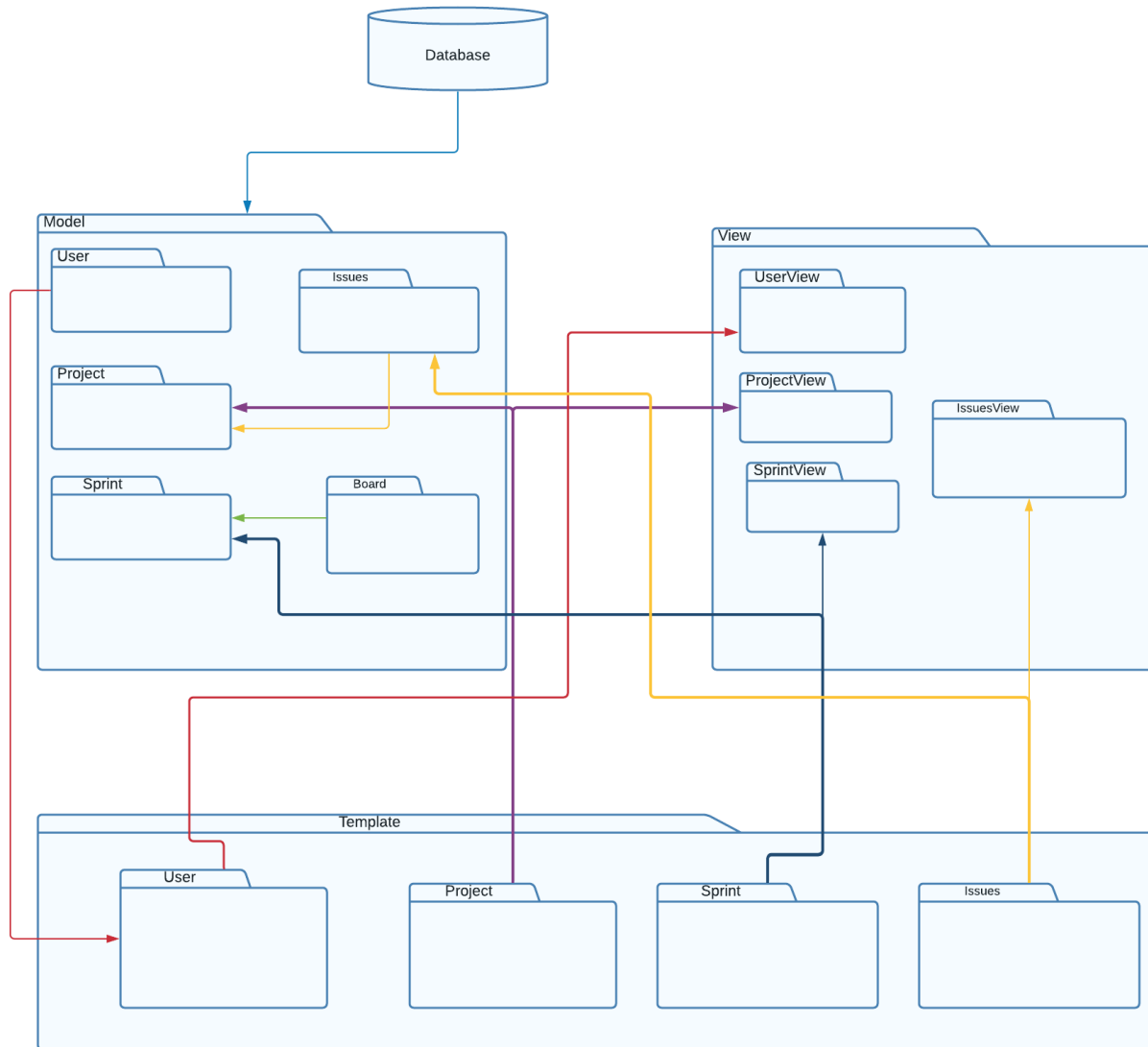
TO DO

Task

TO DO







LEAN ARCHITECTURE

We identify the project's components/entities applying some of the Lean Architecture techniques.

One of those techniques are:

- *"Focus on the form of what the system is, partitioning it so that each part can be managed as autonomously as possible."*
- *"The dominant consideration in supporting team autonomy is the locality with which common changes are handled."*

We focused mainly on partitioning the project in modules because it allows us to decompose the system into small tasks and work as a team without problem. As a team, modular programming is important because each member can work independently, focused on a specific functionality without affecting other modules in the project.

