Use Case List

	Use Case	Business process	Begin w/ Actor	End w/ actor	Use Case	Actor	System
R2	Create task	Y	Y	Y	Y	User	To-Do Planner
R2	Delete Task	Y	Y	Y	Y	User	To-Do Planner
R2	Modify Task	Y	Y	Y	Y	User	To-Do Planner
R2.2	Assign Name	Y	Y	Y	Y	User	To-Do Planner
R3	Assign task Description	Y	Y	Y	Y	User	To-Do Planner
R4	Set due date /deadline	Y	Y	Y	Y	User	To-Do Planner
R5	Notify user.	Y	N	Y	Y	Appication	To-Do Planner
R6	Set Priority Task	Y	Y	Y	Y	User	To-Do Planner
R7	Display Task List	Y	Y	Y	Y	User	To-Do Planner

High-Level Use Case

Use Case1: Create task
   a. TUCBW the user clicking on “+” symbol at the bottom right corner of the application
   b. TUCEW the user sees a new task successfully added to the list of tasks

Use Case2: Delete Task
   a. TUCBW the user clicks a delete button in task window
   b. TUCEW the user sees task deleted from the list of tasks

Use Case3: Modify Task
   a. TUCBW the users click on the edit button of task window
   b. TUCEW the user changes the required parameter of the task

Use Case4: Assign Name+
   a. TUCBW the user select text box beside Task Name label
   b. TUCEW the user successfully assigns a name to task

Use Case5: Assign task Description
   a. TUCBW the user select text box beside Task Description label
   b. TUCEW the user successfully assigns a description to task

Use Case6: Set due to date /deadline
   a. TUCBW the user select date picker beside Due Date label
   b. TUCEW the user successfully assigns a deadline to task

Use Case7: Notify users.
   a. TUCBW the application detects time approaching the deadline assigned
   b. TUCEW the application sends an alert to the user

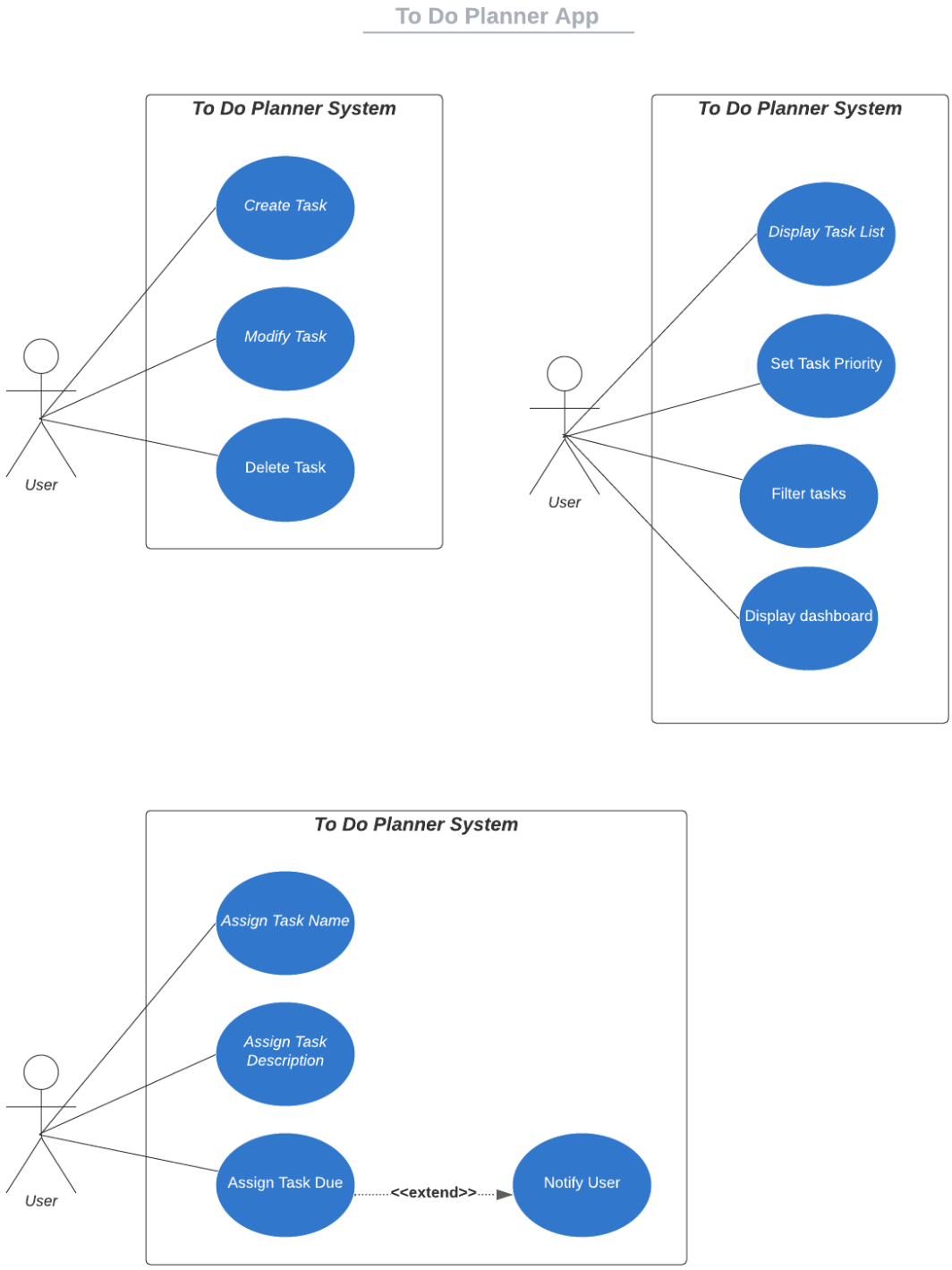
Use Case8: Set Priority Task
   a. TUCBW the user clicks priority from the drop-down menu
   b. TUCEW the priority is set to the particular task

Use Case9: Display Task List
   a. TUCBW the user clicks on the task icon at the bottom of the application.
   b. TUCEW the application displaying a list view of tasks.

Use Case10: Display Dashboard
   a. TUCBW the user clicks on the dashboard icon at the bottom of the application
   b. TUCEW the application displays summary of tasks and tasks by due date are displayed in grid view.

Use Case11: Filter Tasks
   a. TUCBW the user clicks on the filter menu
   b. TUCEW the application displaying the list view of tasks based on a selected category of priorities.

Use Case Diagram



Requirements - Use Case Traceability Matrix

	Priority weight	UC-1	UC-2	UC-3	UC-4	UC-5	UC-6	UC-7	UC-8	UC-9	UC-10	UC-11
R1	1	X										
R2	1	X										
R2.1.1	2	X										
R2.1.2	2	X										
R2.2	2				X							
R2.3	2					X						
R3	2						X					
R4	1							X				
R4.1	2							X				
R4.1.1	2							X				
R4.2	2							X				
R4.2.1	2							X				
R5	4			X								
R5.1	4			X								
R6	3								X			
R6.1	3								X			
R7	1									X		
R8	2									X		
R8.1	2										X	
R8.2	2											X
R9	4		X									
	SCORE	6	4	8	2	2	2	9	6	3	2	2

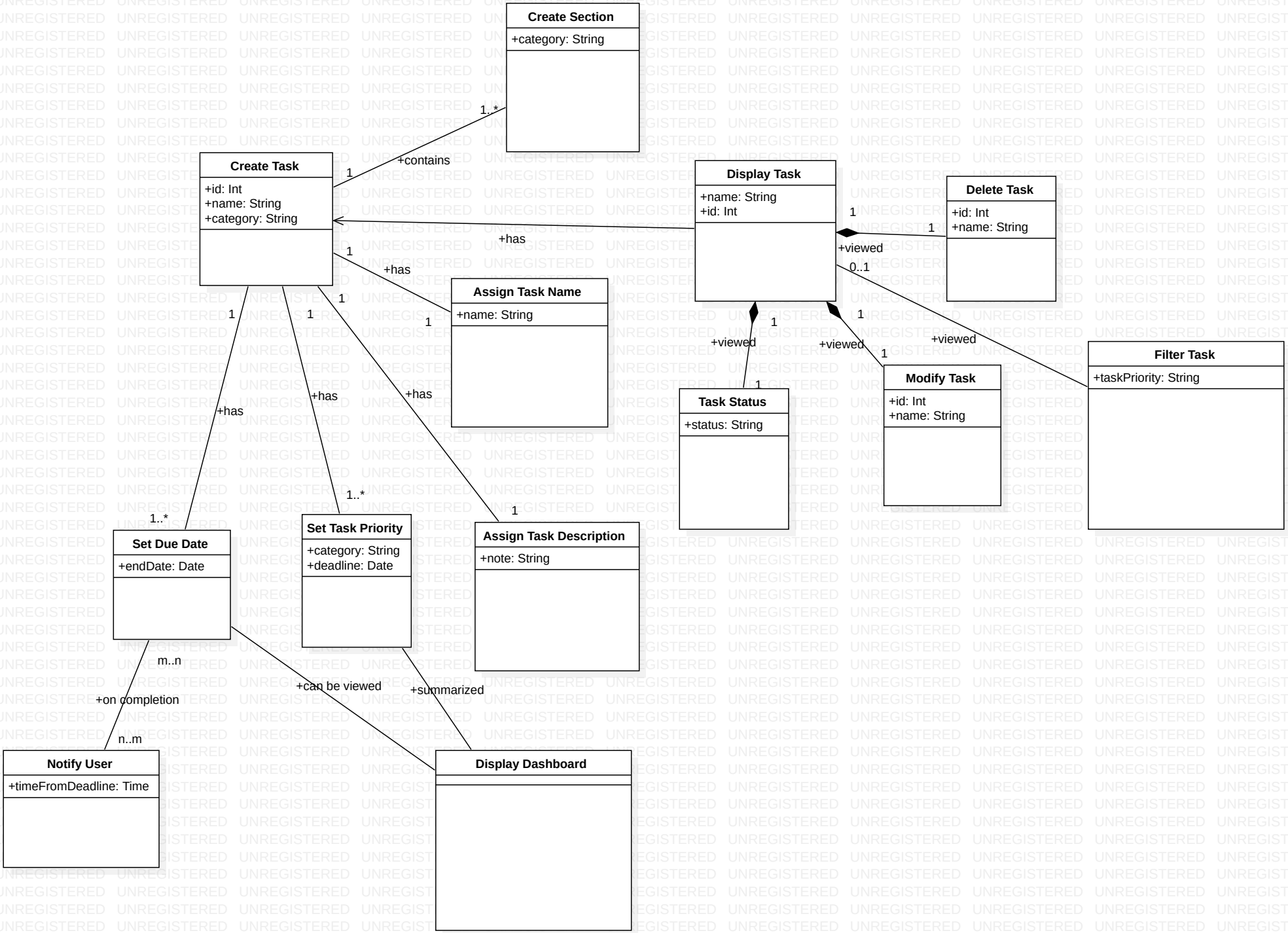
Priority weights are 1 to 5. 1 being highest and 5 being the lowest

Incremental Matrix

Use Case	Priority	Efforts(in terms of person)	Depends on	Assigned to	Iteration 1 (3/11/2022)	Iteration 2 (04/08/2022)	Iteration 3 (05/02/2022)
UC-1	6	1	None	PS		1	
UC-2	4	1	UC-1	PS		1	
UC-3	8	3	UC-1	AS		2	1
UC-4	2	2	UC-1	PP		2	
UC-5	2	1	UC-1	PM		1	
UC-6	2	4	UC-1	PP		2	2
UC-7	9	3	UC- 1, 6	YK		1	2
UC-8	6	4	UC-1	PM		1	3
UC-9	3	2	UC-1-8	YK		1	1
UC-10	2	4	UC-1,6,8	PM			4
UC-11	2	4	UC-1,8	AS		1	3

PS = Parshva Shah, YK = Yogesh Kalapala, PP = Parth Patel, AS = Abdulbari Syed, PM = Paridnya Mane

1 person week=5hours


Create Section
+category: String
1..*
+contains
1
Create Task
+id: Int
+name: String
+category: String
+has
1
+has
Display Task
+name: String
+id: Int
1
1
Delete Task
+id: Int
+name: String
+viewed
0..1
Assign Task Name
+name: String
1
1
1
1
1
+viewed
+viewed
+viewed
1
1
Filter Task
+taskPriority: String
Modify Task
+id: Int
+name: String
Task Status
+status: String
+has
+has
+has
1..*
1..*
1
Set Due Date
+endDate: Date
Set Task Priority
+category: String
+deadline: Date
Assign Task Description
+note: String
m..n
+on completion
n..m
+can be viewed
+summarized
Notify User
+timeFromDeadline: Time
Display Dashboard