

1. Nabil Ettachfini
2. Title: Task Manager
3. Project Summary: An application that allows a manager to sign in (then login) and create a task for their employees to complete. The employee can sign in and view their assignment and mark the status of completion. The employee can choose from incomplete, in progress, QA, complete, and production. A manager can view the progress of the employee. From here a manager can view the overall project completion.
4. Project Requirements:

ID	Actor	Requirements
01	Manager and Employee	Employees/ Managers can sign up, Need to make sure they are already not registered, when they sign up they have a valid username/ password. Throw an error if a username is in use. This a functional requirement.
02	Manager and Employee	Manager/Employee must enter employeeID to confirm they are actual employees of the company when signing up. This is also to confirm their position. This is a functional and business requirement.
03	Manager and Employee	Managers/Employees can log in, here we need to make sure that both have a valid username and password that is saved and registered. Throw an error if the information is incorrect. Functional requirement.
33	Manager	The manager can create a task. This task would have a name. Functional and Business
04	Manager	Managers can assign tasks to employees. They can choose an employee to assign a task to. Functional and Business
05	Employee	An employee can view the tasks they have assigned to them. Functional
06	Employee	The employee can comment on the task any concerns. Functional
07	Employee	Employees can track the time it takes to complete each task. They can hit start and finish for each task when they begin and finish it. So a time counter needs to be implemented. Functional

08	Manager	Manager can view comments. Functional
09	Manager	Manager can view time taken. Functional
10	Manager	Manager can view task completion status. Functional and Business
11	Manager	Manager can view the number of tasks completed in a given project. They select progress in the main menu and can view the total tasks completed in a given project.
12	Manager	Manager can delete tasks if needed

## 5. UI Mockup:

### Terminal Manager UI MockUp

Welcome to TaskManager! Would you like to signup or login?..

signup

Awesome let's get you set up! Please enter a valid username

UserName: CatLover

Now enter a password!

Password: IActuallyLoveDogs303

UserName and Password validated! Welcome are you a manager or an Employee?

Manager

Please enter EmployeeID to confirm position

123456789

Main menu:  
Create Task ,Comment on Tasks,  
Delete Tasks, Update Tasks  
UpdateProjectProgress, Logout

Create

What is the task?

Create an API that connects with Delta's API to get the flight times during the last week of August. In this function return the price with all the details

What are the extra details for this task?

Should take 2 days, difficulty is 2 points

who would you like to assign the task to?  
enter employeeID

98173801

Would you like to do another task? 'yes', 'no'  
Or visit main menu

main menu

Main menu:  
Create Task Comment on Tasks  
Delete Tasks Update Tasks View Project  
Progress  
Logout

view project

Incomplete: 1  
In-Progress: 2  
QA: 1  
Complete: 4  
Production: 0  
Would you like to visit the main menu, or  
logout?

Logout

Logout Successful

## Terminal Employee UI Mockup

Welcome to TaskManager! Would you like to  
signup or login?..

Login

Awesome! What is your username?

engineersAreCool

What is your password?

softwareerawtfos

Welcome! Would you like to view your tasks?  
'yes' or 'no' or go to main menu

yes

You have 3 tasks would you like to update  
them? 'yes' or 'no'

yes

Select task1, task2, or task3

task1

task1 was selected! Are you 'uncomplete(0),  
'inProgress(1)', 'QA(2)', or 'complete(3)'

2

Task is updated! Would you like to leave a  
comment? 'yes' or 'no'

yes

What would you like to say?

There is a bug, when trying to display all the info for the Delta API

Would you like to make another comment or  
view main menu?

main menu

Main Menu:

View Tasks Update Tasks  
Comment Logout

View tasks

task1: Add a login page  
task2: Add a logout page that allows the user  
to login back in  
task3: Create a save username button

Would you like to view main menu or

Logout

You have succesfully been logged out

## 6. Class Diagrams:

