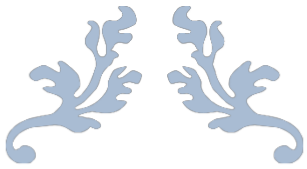

PROJECT PLAN

To Do List

Version history

Version	Date	Author(s)	Changes	State
4.0	09/08/2020	Wondimu	UpToDate plan - Sprint plan progress - Sprint -5 plan	Project plan

NOVEMBER, 30, 2020

FONTYS UNIVERSITY OF APPLIED SCIENCE

Contents

1. Project assignment

1.1 Context

This project is aimed to make a company's workflow and work environment more modernized and suitable for employees and employers. The web application can create an overview and CRUD functionalities of the department, employee, tasks and role of the company.

1.2 Goal of the project

This website is consisting of Todo List Application. It has four components/entities; employees, departments, roles and tasks. The main goal of this application is each employee know their responsibilities and help employees most urgent things from slipping through the cracks- it prevents employees from dropping any major roles and tasks. In this app the company can assign roles for employees, they can give tasks for employees and put each employee on their department. It has four entities relationship (employees, departments, tasks and role). The system is to be more user friendly and you are able to use it in mobile and tablet.

1.3 Scope and preconditions

Inside scope:	**Outside scope:**
1 Project plan	1 A user manual
2 A database to support a web app and	2
3 A software solution	3

1.4 Strategy

In this Todo list website application project, before the implementation phase, first need to list and analyze some important steps. The first step is list and prioritize the requirements.

After analyzing/Gathering the requirements, I list out all these requirements according to MoSCoW prioritization method.

In this project another important step is list out the user stories. In this step, I list out the main stories of the user and these stories applying in the implementing phase.

Implementing and testing phase are the main part of the system and I am doing this phase together hand to hand.

Finally, after the system is working properly. I am going to present it for a client and ask a feedback and comment from the client.

1.5 End products

1. Final version of the web application and
2. Project plan/Documentation
3. Further maintenance and follow up project

2. Activities and time plan

This project is divided in to six sprints. Each sprint long around 3 weeks and each of them has their deliverable products.

Sprints		Effort	Start date	Finish date
Sprint 1	-	Project plan Java script – front end RESTful Api – back end CI/CD environment initialization	Sep-1-2020	Sep-18-2020
Sprint 2	-	Design document version 1 - Justification of front-end framework 1st prototype iteration - Frontend-backend connectivity with mock interfaces - CRUD functionalities - Filtering	Sep-19-2020	Oct-9-2020
Sprint 3	-	Design document version 2 - Back-end system - Quality assurance metrics 2nd prototype iteration - Connectivity with backend database - Unit-tests	Oct-10-2020	Nov-6-2020
Sprint 4	-	Design document version 3 -Security related design decisions 1st release version - Authentication/authorization integration OWASP criteria report - Up-to-date product,	Nov-07-2020	Nov-27-2020

		- Sprint backlogs and Burn-down charts		
	-	Retrieve detailed data		
	-	Retrieve aggregated data		
	-	Security and performance		
	-	Final design document		
	-	2nd release version		
		-A fully operational CI/CD pipeline		
		- Up-to-date product and sprint backlogs and burn-down charts		
	-	Security and performance	Nov-28-2020	Dec-16-2020
Sprint 5	-	Final report & Final release		
		Up-to-date product and sprint backlogs and burn-down charts		
Sprint 6		Security and performance	Dec-17-2020	Jan-22-2021

2.1 Project plan progress

Sprints	**Effort**	**Product status**
Sprint - 1	Project plan	Project plan is done, but needs some update
	CI/CD environment initialization	CI/CD environment is initialized
	RESTful Api	RESTful Api is implemented in the backend
	Java script – front end	Java Script, Angular is working except some of the buttons and designs
Sprint - 2	Design document version 1	Design document version 1 is done with some feedbacks.
	Justification of front-end framework	Front-end is justified
	1st prototype iteration	I showed 1st the iteration
	Frontend-backend connectivity with mock interfaces	Frontend and backend are connected
	CRUD functionalities	They are functional
	Filtering	In progress
Sprint - 3	Design document version 2nd version	Design document is done with some feedback.
	Back-end system	Backend system is done.
	Quality assurance metrics prototype	In progress
	2nd iteration of prototype	I showed 2nd iterations
	Connectivity with backend database	Backend is connected with MySQl database
	Unit-test	Only implemented in the module
Sprint - 4	Design document version 3	It is done with some feedback
	Security related design decisions	In progress
	1st release version Authentication/authorization	I implemented a basic Authentication/authorization
	OWASP criteria report	In progress

2.2 Sprint – 5 plans

Sprint	Effort	Start date	End date
Sprint -5	- Up-to-date product and sprint backlogs and burn-down charts - Update frontend view and structure - Security and performance - Update Unit test - Final design document	12-1-2020	12-26-2020

3. Testing strategy and configuration management

3.1 Testing strategy

For a testing strategy, I am going use a unit testing. I decide to use this testing method is, I can test each unit of the software code during the development of the web application.

3.2 Test environment and required resources

To need to combine practices of continuous integration and either continuous delivery, I decided to use CI/CD environment. And this environment fills the gaps between development and operation activities by automation, testing and deployment of applications.