

Practical – 10

Aim: Case Study and Presentation of Framework/Tool/Project.

Project Name: Project Management Tool using AWS Lambda

Abstract

In today's world, instead of providing complete, detailed descriptions of how everything is to be done on a project, much of it is left up to the Scrum software development team because the team will know best how to solve the problem they are presented. Hence, in project development it is necessary to track and visualize all the tasks and requirements in a board where people from all departments can not only understand the project parts irrespective of their different departments but also contribute for the success story of the customer. That's why we created this digital SCRUM board or more specifically Project Management Tool for the progress tracking.

Scope

To enable team doing whatever it needs to do as a team to take a user story from Ready to done with the digital view representation is the fundamental goal of this project.

Objective

To provide a visual tool which provides an at-a-glance reference for both the team and stakeholder and to help in maximizing the velocity of the project by digital representation.

System Requirements

→ Hardware Requirements:-

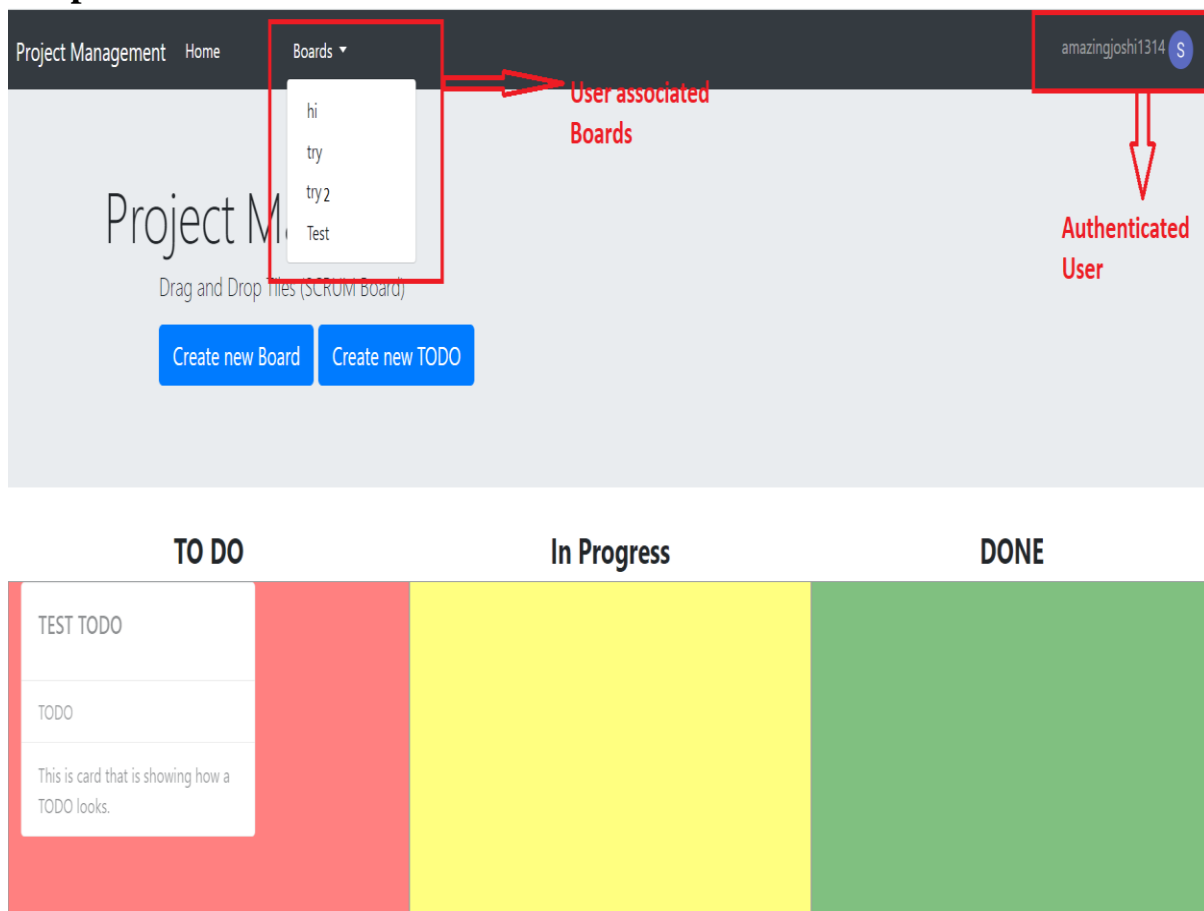
1. 500GB or higher Storage
2. 2 GB Ram or higher
3. Computer with modern processors
4. Any Modern OS

→ Software Requirements:-

1. Development enviromnet=Visual studio code.
2. Framework=severless,jQuery & auth0.
3. Cloud technologies=aws,awsLAM,aws Lambda,awsDynamoDB.

Limitations

1. Only Project Manager or leading person has access
2. No Team integration just one person - one access kind
3. Costly if the users increases due to FaaS costs
4. Internet connection is always needed.

Output:**Figure1:** Front UI.

Enter a Title and Description for new TODO

Title

Project Management Timing

Description

Meet and complete the project discussion

CANCEL

OK

Figure2: Creating a Todo List.

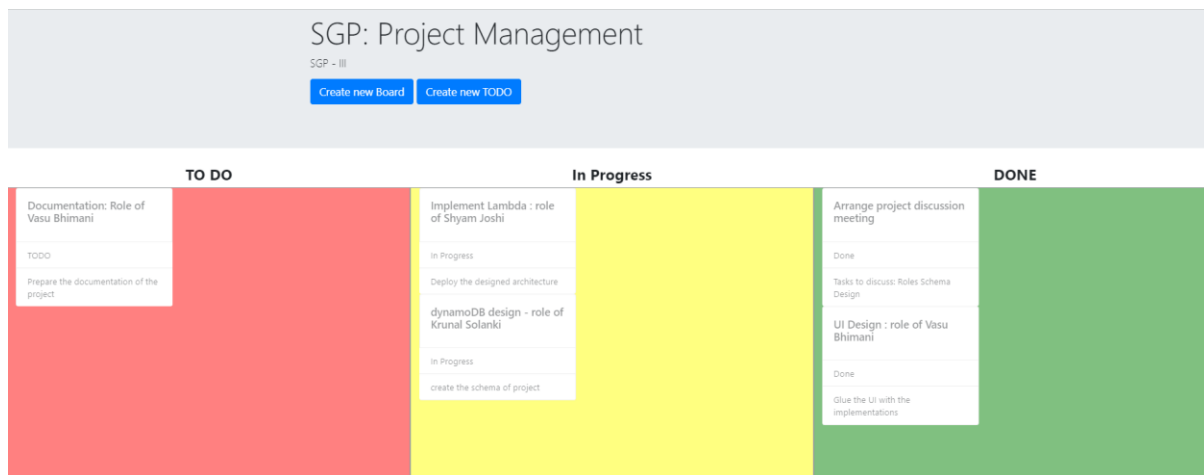


Figure3:Final multiple task todo.

Conclusion:

Our mini-project “Project Management System” or “Digital SCRUM Board” is developed for progress tracking for teams. Scrum board would only be used to make the state of the product backlog item as visible as possible throughout the sprint and to enable Stockholders as well as team members to have track for it. Server less Architecture made it possible to neglect the traditional server management and to maximize developer’s efficiency here in our case we are thankful for that.

We tried to create a visual tool which provides an at-a-glance reference to help in maximizing the velocity of the project by digital representation and we almost succeeded in that. We wish with this teams can do whatever it needs to done to take a user story from Ready to Done with the digital view representation of our Scrum Board so that they can create happy and successful customer stories.