Assignment - Design a scrum framework which includes scrum roles, activities

of scrum and the time duration in the scrum.

Definiation of Scrum

Scrum is a framework for agile development which brings teams to work together in software development and other required stuff. Its generally used to manage any project and solve problems in short by form of sprint cycles.

- Design a scrum framework

Scrum Roles

Scrum roles includes Product Owner, Scrum Master and Scrum Team.

-Scrum Workflow

Step:1 Product Backlog

Step:2 Sprint Planning

Step:3 Sprint Backlog

Step:4 Sprint

Step:5 Potentional Product

Step:6 Sprint Review (may be being take 1-2 Weeks max)

Roles 3

Product Owner

Scrum Master

Team Members

Following- Activities of Scrum and the time duration

Artificats 3

Product Backlog_____ Sprint Backlog_____ Burnd Own.

Ceremonies 3

Sprint Planning ____ Daily Scrum____ Sprint Review

Traditional Waterfall   Scrum (1-4 weeks)

sprint:1 Planning ,Building, Testing,Release (micro-release)

sprint:2 Planning,Building, Testing, Release (micro-release)

sprint:3 Planning,Building,Testing Release (micro-release)

Product Backlog

all the product features are written out and turned into user stories

Login Features   ____ As ....i need... so that....

As a general user i need login so that access that website background= Login story(1)

Forget Password: As a general user i need reset my **password** so that login when i forget my credentials.

Admin Dashboard: As an admin i need to access the dashboard so that i can see reports of users

Dashboard Reports: As an admin i need to see beaufiful graphs so that i can quickly answers data.

Sprint Backlog: Forecase and add an 85%-115% estimate of possibly tasks to complete for the 1-4 week period.

Login story 1: As a general user i need login so that access the website backend.

Dashboard: As an admin i need to access the dashboard so that i can see reports of users.

Sprint: Planning, Building, Testing, Release **Sprint-1**

Now we can take Burndown charts

this burndown charts called the entire product backlok by charts or visualization.

Sprint Review: check how the sprint went, what has been completed if there was any backlog.

Daily Scrum:What's been completed so far,what you are working on next and backlog.

then again

Sprint Review

Product Owner joins to see accomplishments of the current sprint.

Summarize with an Examples:

Now we can show Pricing Calculator : Creating a pricing calculator that will showcase how to identify the price of a website based on the type of billing you use and the potential of the project.

Scrum Template:

1.Establish your project backlog

2.Create Sprint Plan

3. Plan the sprint backlog

4. Perform and sprint and then Review

Project Backlog includes: **Calculator :**

(Design of the user interface) where as a user i need an interface to used the calculation

(Lending Page) where, as a user i need a land on a home page so take me to the calculator.

(Backend) : As a user , i need a data, to gives me a price for a website.

(Email): As a user, i need to see my results after using the calculator.

(Options) As a user, i need to select many choices to identifiy what sort of wbsite is doing.

(a)Value Based Pricing : I need identify on the value of website to get a price for it.

(b) Fixed Based Pricing,

(c) Hourly Based Pricing

Conclusion

Sprint Planning

Step 1 **(Lending Page) where, as a user i need a land on a home page so take me to the calculator.**

Step 2 (Design of the user interface) where as a user i need an interface to used the calculation

Step 3 Value Based Pricing : I need identify on the value of website to get a price for it.

Sprint Backlog

Step: 4 Value Pricing: I need identify on the value of website to get a price for it.

Step: 5 **(Lending Page) where, as a user i need a land on a home page so take me to the calculator.**

Setp:6 User Interface: as a user i need a interface to use the calculator.

Sprint 1 to do : Value Pricing Figma Page design/ Value Pricing Backend API design

In last step, Scrum team and scrum master will review the task breakout and then work would be finished on the parameters of Sprint retrospective on given duration about 2-3 or 3-4 weeks and so on.