

IT314: Software Engineering

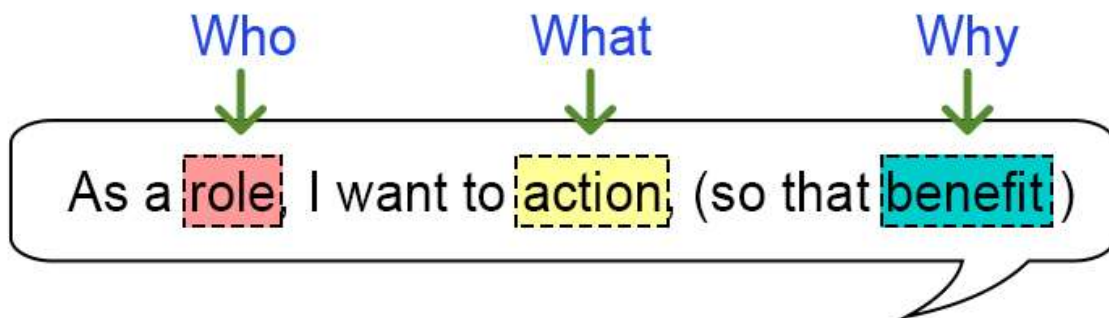
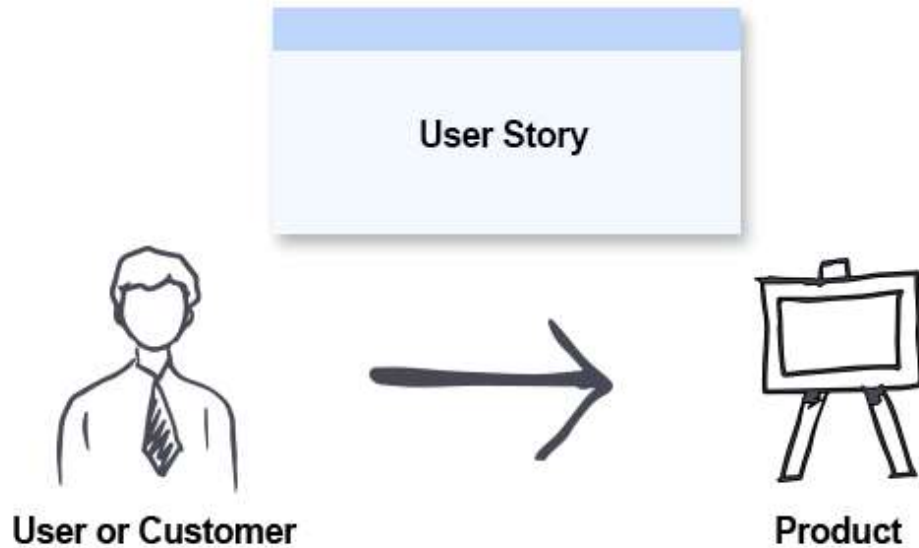
Course Project Lab 3



Group: 15 Conference Management System

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Q.1 Write down the set of user stories (both front and back of the card) stating functional and non-functional requirements.



Front Card	Back of the card
As an attendee to the conference, I want all the details of the schedule of the conference at least a week before the day on which the conference takes place.	<ul style="list-style-type: none"> • The schedule of all the conferences will be regularly uploaded/updated on the Website.
As an attendee , I should be able to register for the conference and pay securely for the same.	<ul style="list-style-type: none"> • The web browser will encrypt the details using Secure Socket Layer (SSL).
As an attendee , there should not be any shortage of chairs for the conference, which might result in some of the attendees being compelled to stand during the conference.	<ul style="list-style-type: none"> • There should not be any shortage of chairs for the conference, which might result in some of the attendees being compelled to stand during the conference.
<p>As an event organizer, I want access to details of conference through log in to system</p> <p>So that I can plan events accordingly and provide all facilities.</p>	<ul style="list-style-type: none"> • Log in details must be correct. • Admin will be able to approve the request then give access to details of the conference to the event organizer.
<p>As an event organizer ,</p> <p>I want access to publish my event posters</p> <p>So that attendees get an idea of the event and increase advertisement of my event.</p>	<ul style="list-style-type: none"> • Event poster must be in 1:1 dimension. • Poster's size must be less than 3 mb. • Admin will be able to update and delete posters according to the need of the conference.
As a researcher , I want to access research paper So that I can find other's perspectives on my research topic.	<ul style="list-style-type: none"> • Researchers must register. • System checks whether the user is registered or not. • System shows the document.

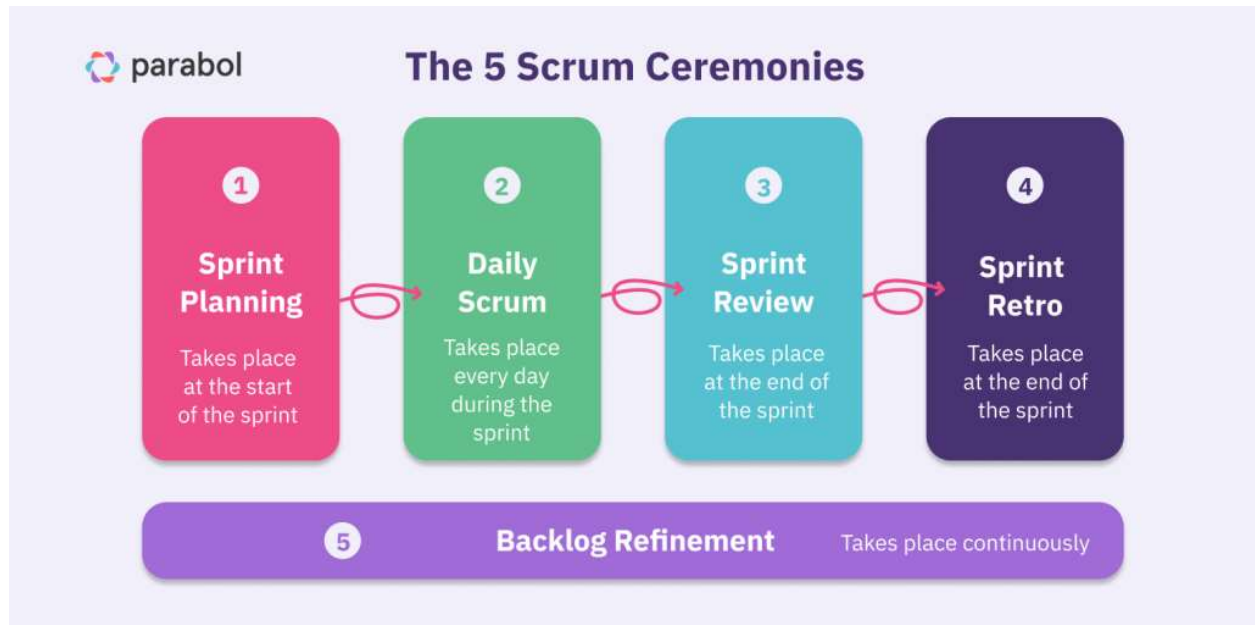
As a researcher , I want all the details of the conference So that I can participate in the conference.	<ul style="list-style-type: none"> • System shows the details of the conference. • The schedule of all the conferences will be regularly uploaded/updated on the Website. • System verifies the details of the Researcher.
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As an admin I want to saw the data of the user	<ul style="list-style-type: none"> • Only display the public information of the user • Don't display the private information of the user • Only admin can see this information
As an admin I want to share the source code of the website So that others can build their own conference management website.	<ul style="list-style-type: none"> • Make to source code available to everyone through github
As an admin I want to make new conference So that others can participate in it.	<ul style="list-style-type: none"> • Provide some features so that admin can make new conference
As an admin I want to change the conference details.	<ul style="list-style-type: none"> • Provide some features so that admin can edit conference details.
As an admin I want to make my website available 24x7 so that others can use it.	<ul style="list-style-type: none"> • Make a website in such a way that it has high uptime.
As an admin I want to access the data of the website And others can't access that data	<ul style="list-style-type: none"> • Only admin has right to access the data of the website
As an admin I want to edit the registration form So that I can change the registration form according to the data requirement.	<ul style="list-style-type: none"> • Provide some features so that admin can edit the registration form. • Due to some reason the admin can cancel the change then the previous form can be retrieved.
As an admin	<ul style="list-style-type: none"> • Developer's can use react js for

<p>I want website whose technology can last long at least 10 years So that website can be stable for a long period of time on one technology.</p>	<p>frontend and Django for backend.</p>
<p>As an admin I want every past website linked on current website So that I can get every past event data from there.</p>	<ul style="list-style-type: none"> • Store past event data in the database. • Every new year, make a new website and link it to the past website.
<p>As an admin I want strong security for the admin page So that other one can't hack into the system and temper the data.</p>	<ul style="list-style-type: none"> • Provide password facilities to the admin so that admin can set the password for the security. • In case the admin can forget the password then provide him forget password link through mail I so that he can set a new password.

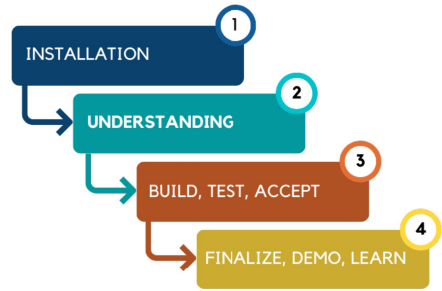
Q.2 Create the sprints from the product backlog.

Sprints:



Agenda of sprint:

- First discussed the requirements of stakeholders
- Created user stories
- Installation and setup of existing system in individual devices
- Understanding of the project implementation and resources that are required.
- Decision on the tech stack to be used
- Division of team into frontend and backend
- Build and test
- demo

Week	Sprint Planning	Acceptance
Week 1	Lab 2 (9th February, 2023 for 3 hours) <ul style="list-style-type: none"> • Identification of problem statements and gathering functional and non-functional requirements from the user. • Discussion on which SDLC model will be suitable for our project. • Use case diagram created. 	<ul style="list-style-type: none"> • We finalized the Agile SDLC model that is most suitable for our project.
Week 2	Lab 3 (23rd February, 2023 for 3 hours) <ul style="list-style-type: none"> • Product owner reviews user stories with team • Stories researched and all possible design options investigated • Team defines and estimates the tasks • Estimation of sprint duration • Finalize the acceptance criteria for system • Determine build sequence for the sprint • TEAM COMMITS! 	<ul style="list-style-type: none"> • Product owner agrees on the user stories created • Sprint duration decided to be around 4 weeks • Acceptance criteria: <ul style="list-style-type: none"> ○ Routing and some admin features in backend ○ Details of the conference to be shown to the user ○ Detailed schedule timeline ○ Feedback system for the user ○ Contact us page • Build Sequence: 
Week 3	Lab 3-4	<ul style="list-style-type: none"> • Build, test and accept
Week 4	1st stage presentation	<ul style="list-style-type: none"> • Implemented project demonstration • Learning for future planning of project