Sri Lanka Institute of Information Technology

Kandy Uni

SE2030 – Software Engineering

Lab Submission

Worksheet No: 02

Group ID: 2025_Y2S1_KU_34

Reg No	Name
IT24610823	Shaahidh M.W.M
IT24104096	Kaluarachchi S.S
IT24102659	Senevirathna K.S.D.B
IT24103086	Wanasundara W.A.A.L
IT24103607	Lakshani K.A.A
IT24102908	Galapitage S.A

Persona: Event Planner

User Stories (4)

1. As an Event Planner, I want to view available catering packages so that I can select that fits my event's theme and budget
2. As an Event Planner, I want to customize menu items so that the catering matches my client's preferences.
3. As an Event Planner, I want to book catering services online so that I can secure the date instantly.
4. As an Event Planner, I want to track the order status so that I can update my clients in real time

Persona: Catering Business Owner

User Stories (4)

1. As a Catering Business Owner, I want to manage all incoming orders so that I can allocate resources effectively.
2. As a Catering Business Owner, I want to analyze sales reports so that I can identify profitable menu items.
3. As a Catering Business Owner, I want to set seasonal promotions so that I can attract more customers.
4. As a Catering Business Owner, I want to approve large orders so that I can ensure proper preparation and staffing

Persona: Catering Staff Supervisor

User Stories (4)

1. As a Catering Staff Supervisor, I want to view assigned event details so that I can prepare my team accordingly.
2. As a Catering Staff Supervisor, I want to track staff attendance so that I can ensure enough manpower for events.
3. As a Catering Staff Supervisor, I want to update order preparation status so that the Event Planner stays informed.

4. As a Catering Staff Supervisor, I want to assign specific tasks to staff members so that work is distributed efficiently.

Persona: Supply and Vendor Manager

User Stories (4)

1. As a Supply and Vendor Manager, I want to track stock levels so that I can order ingredients in advance.
2. As a Supply and Vendor Manager, I want to receive automated alerts for low inventory so that I can avoid shortages.
3. As a Supply and Vendor Manager, I want to maintain vendor contact details so that I can quickly place orders.
4. As a Supply and Vendor Manager, I want to schedule delivery dates so that supplies arrive before events.

Persona: Payment Gateway Provider

User Stories (4)

1. As a Payment Gateway Provider, I want to securely process online payments so that clients can pay without risk.
2. As a Payment Gateway Provider, I want to send payment confirmation to the system so that the order can proceed.
3. As a Payment Gateway Provider, I want to support multiple payment methods so that customers have flexibility.
4. As a Payment Gateway Provider, I want to generate transaction reports so that the Catering Business Owner can reconcile payments.

Persona: System Administrator

User Stories (4)

1. As a System Administrator, I want to manage user accounts so that only authorized personnel can access the system.
2. As a System Administrator, I want to perform regular backups so that no data is lost.

3. As a System Administrator, I want to monitor system performance so that the platform runs smoothly.
4. As a System Administrator, I want to apply security updates so that the system is protected from threats.

ID	User Story	Priority
PBI-01	As an Event Planner, I want to view available catering packages so that I can select that fits my event's theme and budget	High
PBl-02	As an Event Planner, I want to customize menu items so that the catering matches my client's preferences.	Medium
PBl-03	As an Event Planner, I want to book catering services online so that I can secure the date instantly.	High
PBl-04	As an Event Planner, I want to track the order status so that I can update my clients in real time	Medium
PBl-05	As a Catering Business Owner, I want to manage all incoming orders so that I can allocate resources effectively.	High
PBl-06	As a Catering Business Owner, I want to analyze sales reports so that I can identify profitable menu items.	Low
PBl-07	As a Catering Business Owner, I want to set seasonal promotions so that I can attract more customers.	Low
PBl-08	As a Catering Business Owner, I want to approve large orders so that I can ensure proper preparation and staffing	Medium
PBl-09	As a Catering Staff Supervisor, I want to view assigned event details so that I can prepare my team accordingly.	High
PBl-10	As a Catering Staff Supervisor, I want to track staff attendance so that I can ensure enough manpower.	Low
PBl-11	As a Catering Staff Supervisor, I want to update order preparation status so that the Event Planner stays informed.	High
PBl-12	As a Catering Staff Supervisor, I want to assign specific tasks to staff members so that work is distributed well.	Medium

PBl-13	As a Supply and Vendor Manager, I want to track stock levels so that I can order ingredients in advance.	High
PBl-14	As a Supply and Vendor Manager, I want to receive automated alerts for low inventory so that I can avoid shortages.	Medium
PBl-15	As a Supply and Vendor Manager, I want to maintain vendor contact details so that I can quickly place orders.	Low
PBl-16	As a Supply and Vendor Manager, I want to schedule delivery dates so that supplies arrive before events.	Medium
PBl-17	As a Payment Gateway Provider, I want to securely process online payments so that clients can pay without risk.	High
PBl-18	As a Payment Gateway Provider, I want to send payment confirmation to the system so that the order can proceed.	High
PBl-19	As a Payment Gateway Provider, I want to support multiple payment methods so that customers have flexibility.	Medium
PBl-20	As a Payment Gateway Provider, I want to generate transaction reports so that the owner can reconcile payments.	Low
PBl-21	As a System Administrator, I want to manage user accounts so that only authorized personnel can access the system.	High
PBl-22	As a System Administrator, I want to perform regular backups so that no data is lost.	Medium
PBl-23	As a System Administrator, I want to monitor system performance so that the platform runs smoothly.	Low
PBl-24	As a System Administrator, I want to apply security updates so that the system is protected from threats.	Medium

Sprint Plan

Sprint	Features Implemented
Sprint 1	PBl-01, PBl-03, PBl-05, PBl-09, PBl-13, PBl-17, PBl-18, PBl-21
Sprint 2	PBl-02, PBl-04, PBl-08, PBl-11, PBl-12, PBl-14, PBl-16, PBl-22
Sprint 3	PBl-06, PBl-07, PBl-10, PBl-15, PBl-19, PBl-23
Sprint 4	PBl-20, PBl-24, Bug Fixes and Performance improvements, Final testing and deployment

Sprint 01

Sprint ID	User Story
SPI-01	Event Planner - Design and develop catering package listing page.
SPI-02	Event Planner - Build booking form and save booking data to database
SPI-03	Catering Business Owner - Create admin order management dashboard.
SPI-04	Catering Staff Supervisor - Build event detail view for staff supervisor
SPI-05	Supply and Vendor Manager - Implement stock level tracking module.
SPI-06	Payment Gateway Provider - Integrate secure payment gateway API.
SPI-07	Payment Gateway Provider - Implement payment confirmation system.
SPI-08	System Administrator - Create role-based user account system (Planner, Owner, Staff, Supplier)

Sprint 02

Sprint ID	User Story
SPI-01	Event Planner - Add menu customization feature to booking form.
SPI-02	Event Planner - Implement live order status tracking for Event Planner.
SPI-03	Catering Business Owner - Add "approve order" workflow for large events.
SPI-04	Catering Staff Supervisor - Build order preparation progress tracker.
SPI-05	Catering Staff Supervisor - Create staff task assignment module.
SPI-06	Supply and Vendor Manager - Set up low inventory alert system
SPI-07	Supply and Vendor Manager - Add delivery scheduling feature for supplies.
SPI-08	System Administrator - Implement automated database backup script.

Sprint 03

Sprint ID	User Stories
SPI-01	Catering Business Owner - Build sales report and analytics dashboard.
SPI-02	Catering Business Owner - Implement seasonal promotions system.
SPI-03	Catering Staff Supervisor - Add staff attendance tracking.
SPI-04	Supply and Vendor Manager - Build vendor contact management page.
SPI-05	Payment Gateway Provider -Enable multiple payment method support.
SPI-06	System Administrator - Create system performance monitoring dashboard.

Sprint 04

Sprint ID	User Stories
SPI-01	Payment Gateway Provider - Generate and export transaction reports.
SPI-02	System Administrator - Apply security patches and implement data encryption.
SPI-03	Fix UI/UX issues from feedback.
SPI-04	Optimize database queries for faster load times.
SPI-05	Conduct full system testing (unit, integration, user acceptance).
SPI-06	Prepare deployment package and host system online.

Details_Spring_Backlog

Task ID	Task	Est. Hours
PBI-01.1	Design UI for as an event planner	5
PBI-01.2	Create backend functionality for as an event planner	6
PBI-01.3	Test the as an event planner flow	3
PBI-02.1	Design UI for as an event planner	5
PBI-02.2	Create backend functionality for as an event planner	6
PBI-02.3	Test the as an event planner flow	3
PBI-03.1	Design UI for as an event planner	5
PBI-03.2	Create backend functionality for as an event planner	6
PBI-03.3	Test the as an event planner flow	3
PBI-05.1	Design UI for as a catering business owner	5
PBI-05.2	Create backend functionality for as a catering business owner	6
PBI-05.3	Test the as a catering business owner flow	3
PBI-08.1	Design UI for as a catering business owner	5
PBI-08.2	Create backend functionality for as a catering business owner	6
PBI-08.3	Test the as a catering business owner flow	3
PBI-09.1	Design UI for as a catering staff supervisor	5
PBI-09.2	Create backend functionality for as a catering staff supervisor	6
PBI-09.3	Test the as a catering staff supervisor flow	3
PBI-11.1	Design UI for as a catering staff supervisor	5
PBI-11.2	Create backend functionality for as a catering staff supervisor	6
PBI-11.3	Test the as a catering staff supervisor flow	3
PBI-13.1	Design UI for as a supply and vendor manager	5
PBI-13.2	Create backend functionality for as a supply and vendor manager	6
PBI-13.3	Test the as a supply and vendor manager flow	3
PBI-14.1	Design UI for as a supply and vendor manager	5
PBI-14.2	Create backend functionality for as a supply and vendor manager	6
PBI-14.3	Test the as a supply and vendor manager flow	3

PBI-16.1	Design UI for as a supply and vendor manager	5
PBI-16.2	Create backend functionality for as a supply and vendor manager	6
PBI-16.3	Test the as a supply and vendor manager flow	3
PBI-17.1	Design UI for as a payment gateway provider	5
PBI-17.2	Create backend functionality for as a payment gateway provider	6
PBI-17.3	Test the as a payment gateway provider flow	3
PBI-18.1	Design UI for as a payment gateway provider	5
PBI-18.2	Create backend functionality for as a payment gateway provider	6
PBI-18.3	Test the as a payment gateway provider flow	3
PBI-21.1	Design UI for as a system administrator	5
PBI-21.2	Create backend functionality for as a system administrator	6
PBI-21.3	Test the as a system administrator flow	3
PBI-22.1	Design UI for as a system administrator	5
PBI-22.2	Create backend functionality for as a system administrator	6
PBI-22.3	Test the as a system administrator flow	3
PBI-24.1	Design UI for as a system administrator	5
PBI-24.2	Create backend functionality for as a system administrator	6
PBI-24.3	Test the as a system administrator flow	3

Sprint_2_plan

Sprint ID	ID	User Story	Priority
SP2-01	PBI-04	As an Event Planner, I want to track the order status so that I can update my clients in real time	Medium
SP2-02	PBI-06	As a Catering Business Owner, I want to analyze sales reports so that I can identify profitable menu items	Medium
SP2-03	PBI-07	As a Catering Business Owner, I want to set seasonal promotions so that I can attract more customers	Low
SP2-04	PBI-10	As a Catering Staff Supervisor, I want to track staff attendance so that I can ensure enough manpower for events	Medium
SP2-05	PBI-12	As a Catering Staff Supervisor, I want to assign specific tasks to staff members so that work is distributed efficiently	Medium
SP2-06	PBI-15	As a Supply and Vendor Manager, I want to maintain vendor contact details so that I can quickly place orders	Medium
SP2-07	PBI-19	As a Payment Gateway Provider, I want to support multiple payment methods so that customers have flexibility	Medium
SP2-08	PBI-20	As a Payment Gateway Provider, I want to generate transaction reports so that the Catering Business Owner can reconcile payments	Medium
SP2-09	PBI-23	As a System Administrator, I want to monitor system performance so that the platform runs smoothly	Medium