

# **University Event Registration Portal Backlog**

**Marwa Paiman (Product Owner)**

**Software Engineering - ITC315**

**13/11/2025**

## 1. Introduction

The Product Backlog is the only repository for work items in the University Event Registration Portal. It is drawn from Software Requirements Specification (SRS) and covers all functional and non-functional requirements defined as User Stories and Technical Stories. Each entry defines acceptance criteria, priority and effort estimation. The backlog is not static. It changes as the project progresses.

## 2. Functional Backlog Items (User Stories)

ID	User Story	Acceptance Criteria	Priority	Estimation (Story Points)	Sprint	Responsible
US-001	As a visitor, I want to create an account with my name, email, and password so I can access the portal.	Account created; confirmation email sent; duplicate emails rejected.	High	5	Sprint 1	Backend Lead (Fariba) + QA (Gita)
US-002	As a user, I would like to be able to log in and out safely to navigate my profile and events.	Verified account login is successful; cleared out session; denied invalid account login.	High	3	Sprint 1	Backend Lead (Fariba) + Frontend (Muneera)
US-003	As a user, I would like to change my profile (name, contact, student ID) to ensure that my data is up to date.	Changes made on profile; confirmation message appeared.	Medium	3	Sprint 2	Backend Lead (Fariba)+ Frontend (Muneera)
US-004	As a user, I would like to navigate through future events to be able to know what is happening in the university.	Events list is with title, venue, date.	High	5	Sprint 1	Frontend Lead (Muneera)
US-005	As a user, I would like to be able to search/filter events by keyword, category or date in	Results of search are correct; filters used properly.	High	8	Sprint 2	Frontend Lead (Muneera)

	order to find the relevant events.					
US-006	As a user, I desire to see event details to enable me make a decision of attending or not.	Page of event displays description, date, location and seats available.	High	3	Sprint 1	Frontend Lead (Muneera)
US-007	As a user, I want to register for an event so I can confirm my participation.	Registration saved; confirmation email sent; duplicate prevented.	High	8	Sprint 2	Backend Lead (Fariba) + QA (Gita)
US-008	As a user, I want to pay for paid events online so I can secure my spot.	Payment processed via sandbox; receipt generated; failed payments handled.	High	13	Sprint 2	Backend Lead (Fariba)
US-009	As a user, I want to receive a ticket/confirmation so I can attend the event.	Ticket downloadable; confirmation email includes QR code/ID.	High	5	Sprint 2	Backend Lead (Fariba) + QA (Gita)
US-010	As a user, I would like to cancel my registration prior to the event beginning to free my spot.	Confirmed cancellation; released seat; e-mail notification.	Medium	5	Sprint 3	Backend Lead (Fariba)
US-011	As an admin, I want to log in with higher privileges so I can manage events.	Admin dashboard accessible only to admins.	High	3	Sprint 3	Backend Lead (Fariba)
US-012	As an admin, I want to create events with details so I can publish them.	Event saved; visible to users; validation on required fields.	High	8	Sprint 3	Backend Lead (Fariba) + Frontend Lead (Muneera)
US-013	As an admin, I would like to edit or remove events in order to	Saved changes, and deleted events erased from the list	High	5	Sprint 3	Backend Lead (Fariba)+

	maintain the accuracy of the information					Frontend (Muneera)
US-014	As an administrator, I would like to view and export attendee lists to be able to manage participation,	Attendant list (csv/ PDF); accurate data.	Medium	8	Sprint 4	Backend Lead (Fariba) + QA (Gita)
US-015	As an administrator, I would like to see reports (registrations, revenue) in order to monitor performance.	Reports generated; charts/tables displayed.	Medium	13	Sprint 4	Backend Lead (Fariba) + QA (Gita)
US-016	I as a user would like to get automated notification to avoid missing updates.	Email sent on registration, payment, cancellation.	Medium	5	Sprint 4	Backend Lead (Fariba)
US-017	As a user, I want to switch between English and local language so I can use the portal easily.	Language toggle works; translations accurate.	Low	8	Sprint 5	Frontend Lead (Muneera)
US-018	As an admin, I want an audit log so I can track system activities.	Log records login, registration, payment, admin changes.	Medium	8	Sprint 4	Backend Lead (Fariba)
US-019	As a user, I want the portal to be accessible so I can use it with assistive technologies.	Meets WCAG AA standards; screen reader friendly.	Medium	8	Sprint 5	Frontend Lead (Muneera) + QA (Gita)
US-020	I would prefer role based access control as a system where only the admins can use the	Non admins unable to access pages of admins; experimented	High	5	Sprint 3	Backend Lead (Fariba)

	features of an admin.	with numerous roles.				
--	-----------------------	----------------------	--	--	--	--

### Non-Functional Backlog Items (Technical Stories)

ID	Technical Story	Acceptance Criteria	Priority	Estimation	Sprint	Responsible
NFR-001	As a system, I should implement HTTPS on all connections.	Each and every page was accessed through HTTPS; invalid requests were sent back.	High	3	Sprint 1	QA/DevOps (Gita)
NFR-002	As a system, I should be able to load pages within 2 seconds when there is normal load.	Performance tests pass; <2s response time.	High	8	Sprint 2	QA/DevOps (Gita)
NFR-003	As a system, I must support 100 concurrent users.	Load test passes with 100 users.	High	13	Sprint 4	QA/DevOps (Gita)
NFR-004	As a system, I must back up data daily.	Backup job runs daily; restore tested.	Medium	5	Sprint 4	QA/DevOps (Gita)
NFR-005	As a system, I must run on major browsers.	Tested on Chrome, Edge, Firefox.	Medium	3	Sprint 5	QA/DevOps (Gita)
NFR-006	As a system, I must comply with data	Privacy policy documented; no sensitive card data stored.	High	8	Sprint 5	QA/DevOps (Gita)

	protection regulations.					
NFR-007	As a system, I must recover gracefully from network failures.	Recovery tested; no data loss.	Medium	5	Sprint 4	QA/DevOps (Gita)
NFR-008	As a system, I must maintain modular, documented code.	Code reviewed; documentation updated.	Medium	5	Sprint 5	Backend Lead (Fariba) + QA (Gita)

## Prioritization Strategy:

**High Priorities:** Main features such as registration, login, event browsing, payment, administrative management, security).

**Medium Priorities:** Enhancement such as reports, notifications, audit logs, accessibility, reliability).

**Low Priorities:** Optional features such as multi-language support).

## Guidance on Sprint Planning:

**Sprint 1 (20 pts):** User Registration/ Login, Browsing of events, Database setting.

**Sprint 2 (25 pts):** Registration of Event, Cancellation, Payment Integration.

**Sprint 3 (23 pts):** Create/Edit/ Delete Events Adams Dashboard.

**Sprint 4 (26 pts):** Audit logs, Reports, Notifications.

**Sprint 5 (20 pts):** Accessibility, Multi language Support, Final Testing and Deployment.