Event Enrollment

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Assumptions

We are assuming that only 30 people can book a particular event through our application. The scope of the application is confined to 30 individuals. Our application can be used only by the students of UWM. Organizations mentioned in our project refers to the different committees within the university.

Project Vision

UREC application of UWM concentrates on only the recreational events that are being held within the urec department. There are events organized by other departments of the university which are not included in the urec application and students do not stand high chances of knowing events related to music, arts and other events.Our motivation for this application is to provide a one stop place for UWM students for all events with payment options so that revenue is generated for different departments of the university.

Stakeholders Identification

1. Organizers - Their main aim to host and manage the particular event ,Deals with any sort of discrepancies occurred

2. Patrons

3. IT services

4. Credit Processor

5. Student Support

6. Sponsors

7. Volunteers

Domain Analysis

As mentioned in the assumption, our application is limited to 10 users so that it will be easy and feasible to track enrollments and transactions .

A. Major Functions

1. Semester wide planning

2. Sales of event passes

3. Event cancellation

4. Student concession systems

5. Promotions of events

6. Payment capture of events (for applicable events)

7. Refunds on cancellation

B. Users

1. Patrons

2. Organizers

3. IT service providers

4. Student volunteers

5.Event Management team

C. Application Systems

1. Ticket Sales

2. Events List

3. calendar of events

4. Concession sales

5. Event Scheduling and pricing

6. Sign in processing

7. Customer support system

User Support :

Application Systems	Student	Management Team	Organizer	Tech support	University Staff	Customer Support
Event scheduling			Direct			Support
Tickets purchased	Direct			Direct		Support
Discounts	Direct				Direct	Support
Event Scheduling and processing		Direct	Direct			Support

Functional responsibilities :

Process/Function	Student	Management team	organizers	Tech support	University staff	Customer support
Semester wide event planning		perform	perform		perform	Support services
Event pricing		perform	perform			Support services
Promotions	perform	perform				Support services
Ticket purchasing	perform					Support services

System Scope:

Process/ Function	Event booking	Concessions	Event Scheduling	Support
Semester wide event planning	T		T	
Event pricing		T		
Promotions		T		
Ticket sales	T	T		T

Goal Modeling

Our goal modeling involves understanding of the business goals and application goals.

Business Goals

- Provide equal opportunity to all organizations
    - ❖ All the departments of UWM should be provided with equal opportunity to list their events on the application.
- Satisfying feedbacks from customer(patrons)
- Active participation of users in the events
    - ❖ By introducing attractive
    - ❖ Events of both and paid ones (affordable prices).
    - ❖ Promotions of events
- Generate profits from the sales tickets
- Improve event enrollment facilities up-to-date.
- Ease of access to event enrollment

Application goals

- User friendly interface
    - ❖ All tabs should be placed and designed in a way that it's easy for users to access
- Constant customer support
- Validated access through student credentials
- Ability to handle multiple requests on time
- Resolve issues faced by customers
    - ❖ Redirect them to the right point of contact during any queries for event enrollment or payment procedures

- Platform Independency
  - ❖ Should support all mobile and tablets of different OS
- Accessible during low network coverage and weak internet access

Domain Decomposition

- Student Registration
  - ❖ Student ID
  - ❖ Student data collection
  - ❖ Credit data collection
  - ❖ Microsoft Authentication
  - ❖ Email Confirmation
  - ❖ Student account maintenance
  - ❖ Technical support of UWM

- Events Section
  - ❖ Events
  - ❖ Search box
  - ❖ Ticket Prices
  - ❖ Filter option (Free or Paid)
  - ❖ Check Availability
  - ❖ Calendar
  - ❖ List of events for the semester
  - ❖ My booking
  - ❖ Booking confirmations (QR Code)
  - ❖ Date/ time
  - ❖ Venue
  - ❖ Booking Cancellation

- Ticket Purchase
  - ❖ Identity of Student
  - ❖ Date, time, and seats selection
  - ❖ Check availability
  - ❖ Place hold on seats
  - ❖ Process payment
  - ❖ Amount due
  - ❖ Credit Card
  - ❖ Email Payment Confirmation
  - ❖ Email Ticket Confirmation

- Inquiries
  - ❖ Student account data
  - ❖ List of events sold out
  - ❖ List of events with seats availability
  - ❖ Events with ticket prices.

- Customer Support
  - ❖ Email Customer support
  - ❖ Phone Support

Constraint Modeling:

Event Enrolment Methods
- Mode of Enrolment
  - ❖ Mobile application (Android and IOS).

- Interface
  - ❖ Images of Events.
  - ❖ Brief description of Events.
  - ❖ Similar version of Mobile application on any operating system.

- Reliability
  - ❖ Maintenance time of two hours every day to fix any issues.
  - ❖ Any application crashes would be fixed in 4 hours.
  - ❖ Hybrid AI cloud security for the application to prevent loss of data.

- Concurrency
  - ❖ Maximum of 100 people can use the application at any instance.
  - ❖ Event Enrolment is based on FCFS (First Come First Serve).

- Security
  - ❖ All credit card data is secured using the hybrid AI technology.
  - ❖ All account login details are secured by Microsoft authentication.
  - ❖ Event enrolment data is secured through appropriate technologies.

- Software and Hardware Requirements
  - ❖ The application will be hosted using Amazon AWS (the one hosting in the university will be hosting this application for protection of data, Amazon AWS is an example).
  - ❖ Mobile and tablet application (IOS and Android).
  - ❖ Internet connection is required to open the application and view the events (secure connections only allowed).

- Performance
  - ❖ Based on mobile and the internet connection used.
  - ❖ Earliest response time is 3secs (search of events, payment confirmation, payment validation and verification).

- General

- ❖ Ease of use.
- ❖ One stop application for all events organized in the university.
- ❖ Can be accessed from anywhere from the tip of their hands using mobile phones.

Version Details:

Version	Date	Description	Author
Initial Draft	September 14th 2022	First Draft is submitted. Core processes for the project are identified.	Gayathri Peri, Sanjeev Peri, Karthik Sudarshan, Asrith Krishna
Service Planning	October 5th 2022	All the services are identified and service planning is done.	Gayathri Peri, Sanjeev Peri, Karthik Sudarshan, Asrith Krishna