



NORTHFIELD HILLS

**Presented By : Tamanna Gaur, Chinmay
Deore, Nayem Khan, Aniruddah Paul**

PROJECT OVERVIEW

Users can:

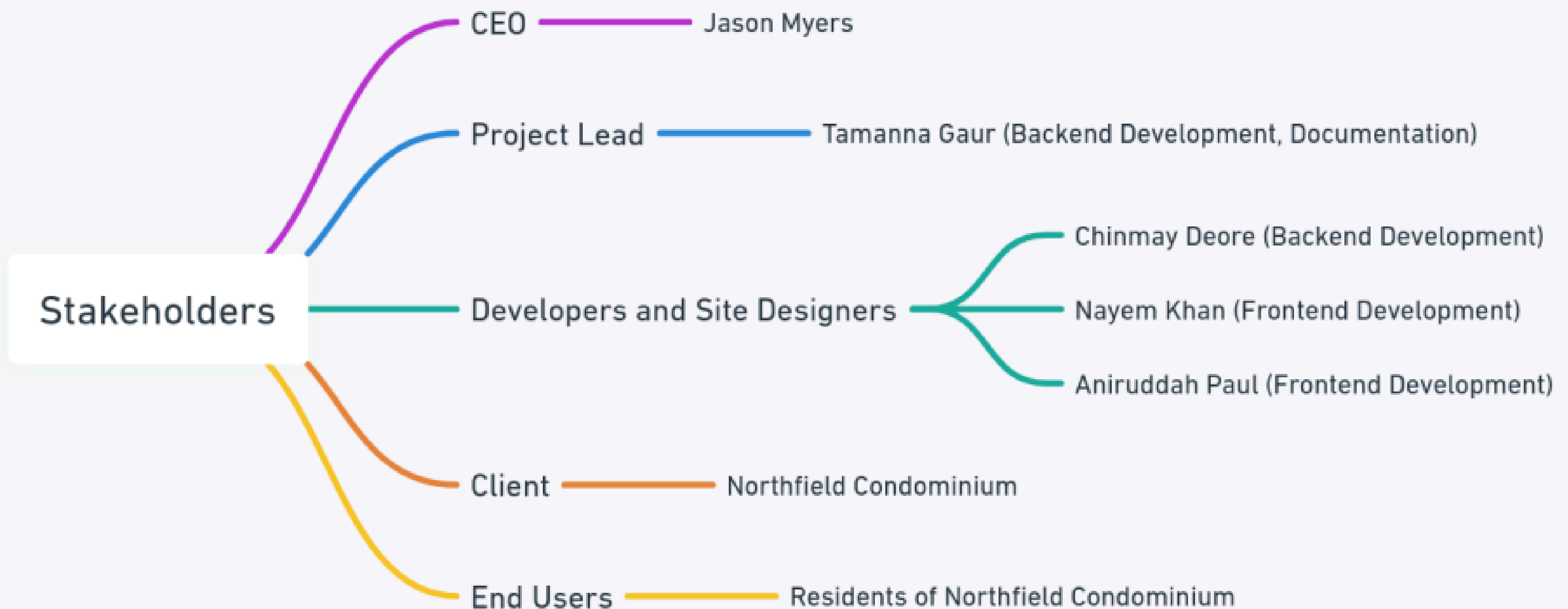
- Create an account
- Reserve banquet hall
- View event details
- Contact site admins and leave feedback

Tools used:

- VSCode
- Python w/ Django
- SQLite
- Gmail
- GitHub
- WhatsApp
- Excel
- Miro

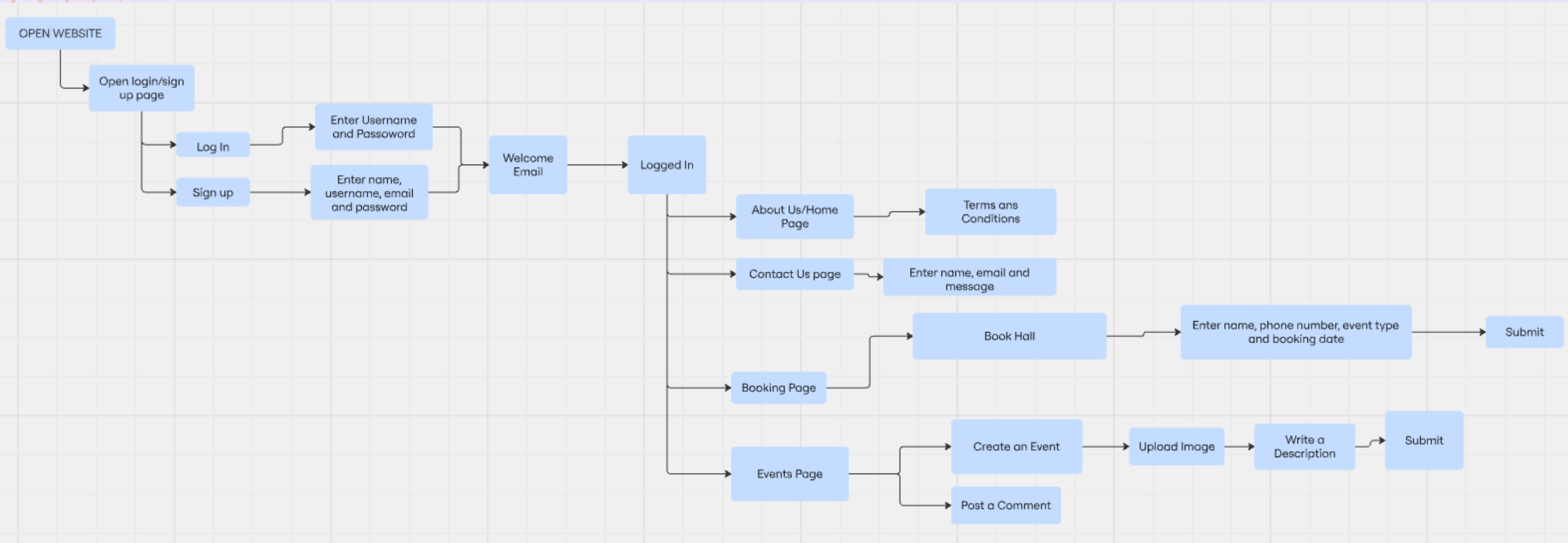
ORGANIZATION CHART & STAKEHOLDERS

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ACTIVITY DIAGRAM

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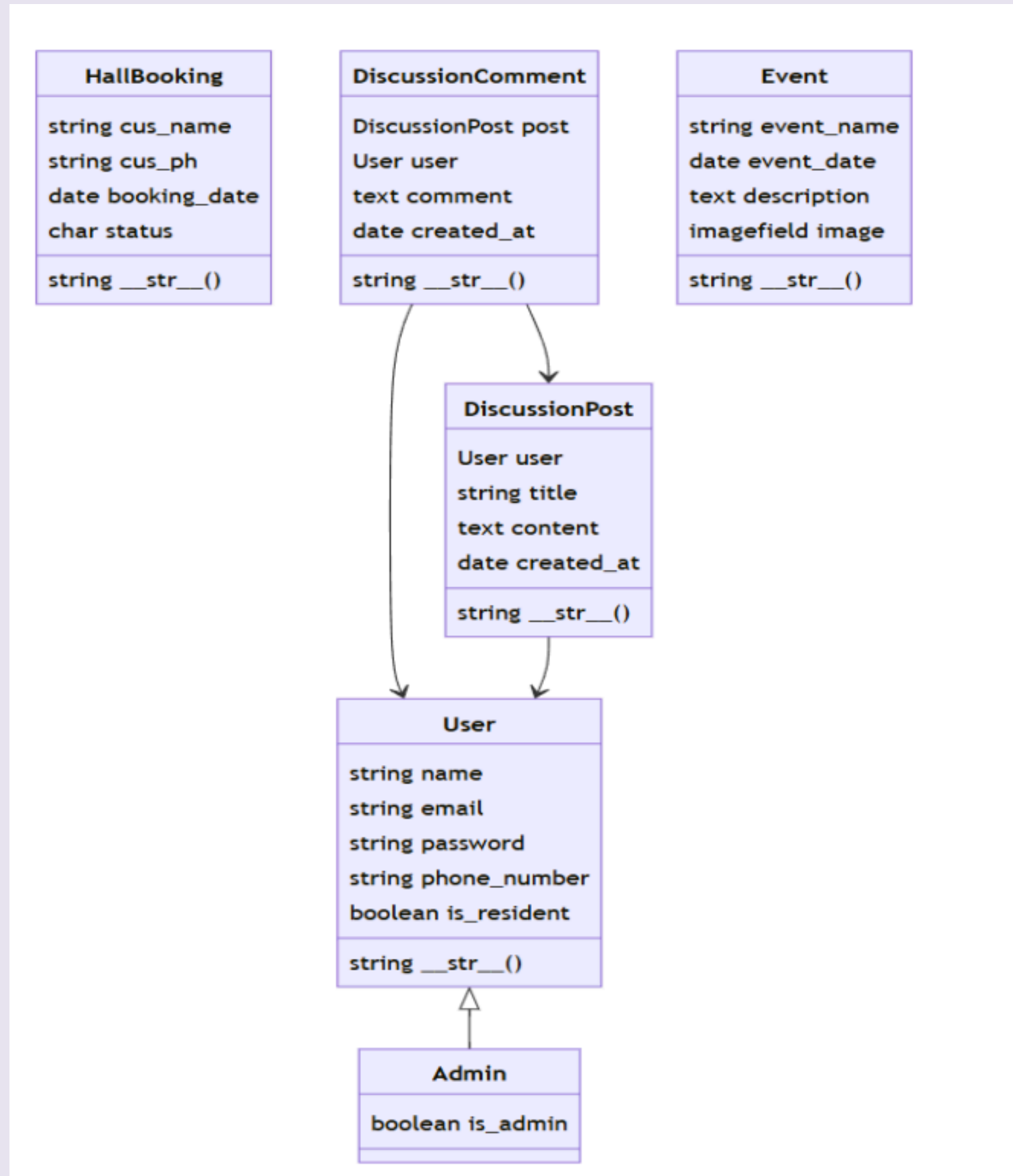
CONTROL PLAN

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CONTROL PLAN												
Prototype		Prelaunch		Production		Key Contact/Phone: hl6768@wayne.edu			Date(Orig):10/28/24		Date (Rev.): 10/30/24	
Control Plan Number: 01												
Part Number/Latest Change Level: 01				Core Team: Tamanna Gaur, Chinmay Deore, Nayem Khan, Aniruddah Paul				Customer Eng. Approval/Date: TBD				
Part Name/Description: Northfield Hills Website				Organization/Plant Approval/Date:10/25/24				Customer Quality Approval/Date (if Req'd):TBD				
Organization/Plant		Organization Code		Other Approval/Date (If Req'd)				Sample		ate (If Req'd)		
		Characteristics					Methods					
Part/ Process Number	Process Name/ Operation Description	Machine, Device, Jig, Tools, for Mfg.	No.	Product	Process	Special Char. Class	Product/Process Specification/ Tolerance	Evaluation/ Measurement Technique	Size	Freq.	Control Method	Reaction Plan
1	User Registration	Django, Python	1	User details saved successfully	User fills in registration details	Y	All users must verify email before logging in	Manual Code Testing/Review	1	Once per domain setup	Check if user info is saved in the database	If not saved, check database schema and form processing logic
2	Email Verification	Django, Python	2	Valid email verification link sent	User receives verification email	Y	Email received, link works correctly	Test email system and link functionality	1	Once per registration	Check email system logs and verify SMTP functionality	If email isn't received, check email server logs and verify email delivery
3	Live Booking Date Selection (Banquet Hall)	Django, Python	3	Available dates and times shown	Available dates and times are accurate and visible	Y	Available dates bright-colored, unavailable dates grayed out	Test date availability and color coding	1	Once per booking	Validate database queries for available slots	If availability is incorrect, check database and frontend integration
4	Booking Time Selection (Banquet Hall)	Django, Python	4	Accurate time slots selected	User selects correct time and confirms booking	Y	Time slot selected matches available options	Test time slot selection and confirmation	1	Once per booking	Verify time slots data against backend	If time slot doesn't appear, check time slot availability in database

CLASS DIAGRAMS

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REQUIREMENT GATHERING

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Gathered via:

- Team discussion
- Evaluation of similar apps
- User feedback

Logged via:

- Python program that logs as JSON
- Writes to and searches JSON file

```
Choose an option:
1. Add a new requirement
2. Search for a requirement
3. Exit
Enter the number corresponding to your choice: 1
Enter the following details for the new requirement:
Enter date (e.g., 9/27/24): 11/16/24
Enter Phase - Inception, Elicitation, Elaboration, Negotiation, Specification, Validation, Management: Elaboration
Enter Specific Requirement [CORE/NER]: CORE
Authored by: Tamanna Gaur
Requirement title: Contact us page
Policy - Use Case - Business Justification: Provide users with a form to send inquiries, including fields for name, email, phone number, and message, along with
played contact details.
Stakeholders/Spearhead: end users
Approved By - and date: Tamanna Gaur-11/16/24
Enter the name of the authoring user: Tamanna Gaur
Enter requirement reference number: 18

Requirement added successfully with Entry ID: 9506580837746160805
The last reference number is: 18
```


KPI'S

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Requirements satisfied

- 90% of the requirements identified thus far have been implemented

Third iteration goals

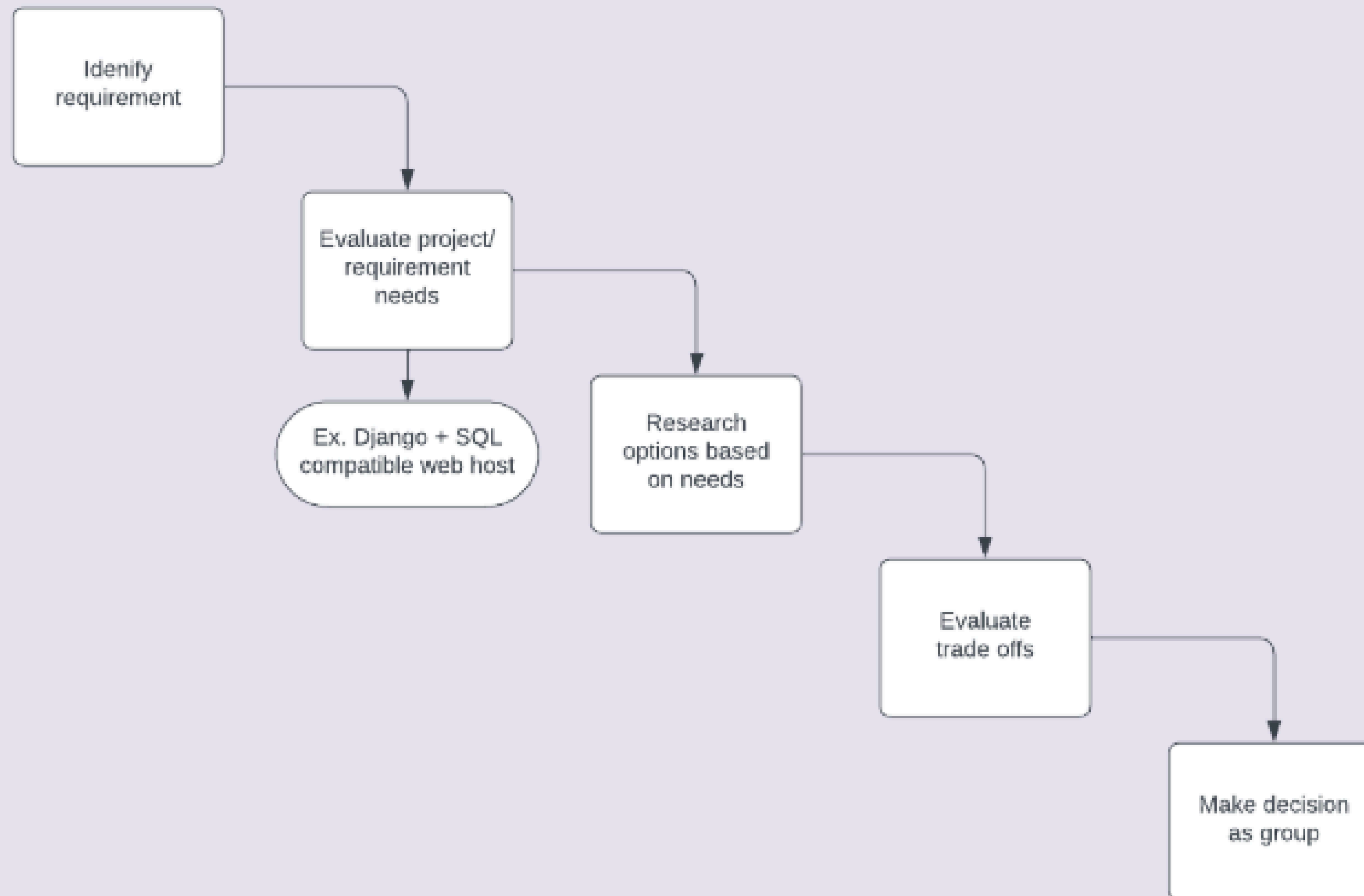
- 100% of second iteration goals met
- Live booking update
- Booking email reminders
- Community discussion social media page

Group attendance

- 90% sprint meeting attendance across twelve meetings

SYSTEM EVALUATIONS

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QUALITY & IMPROVEMENT METRICS

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- **Compare implementation to reqs and goals**
 - Do they align or match?
 - Are all reqs and goals met or implemented
- **Test site to identify bugs**
 - How many were encountered?
 - How many were fixed?
- **Code reviews to analyze progress**
 - Complexity?
 - Functional UI?
 - Bugs/errors?
 - Dev team concerns?
- **Compare project to accepted standards**
 - Ex. Django meets security, accessibility, validation standards

PROJECT MANAGMENT PRINCIPLES

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- Documentation of objectives and scope
- Clear requirement layout and logging
- KPIs to evaluate progress
- Regular team meetings to establish effective communication
- Defined roles and responsibilities (org chart, sprint meeting assignments)
- Iterative planning and development
- Process documentation

USE CASES

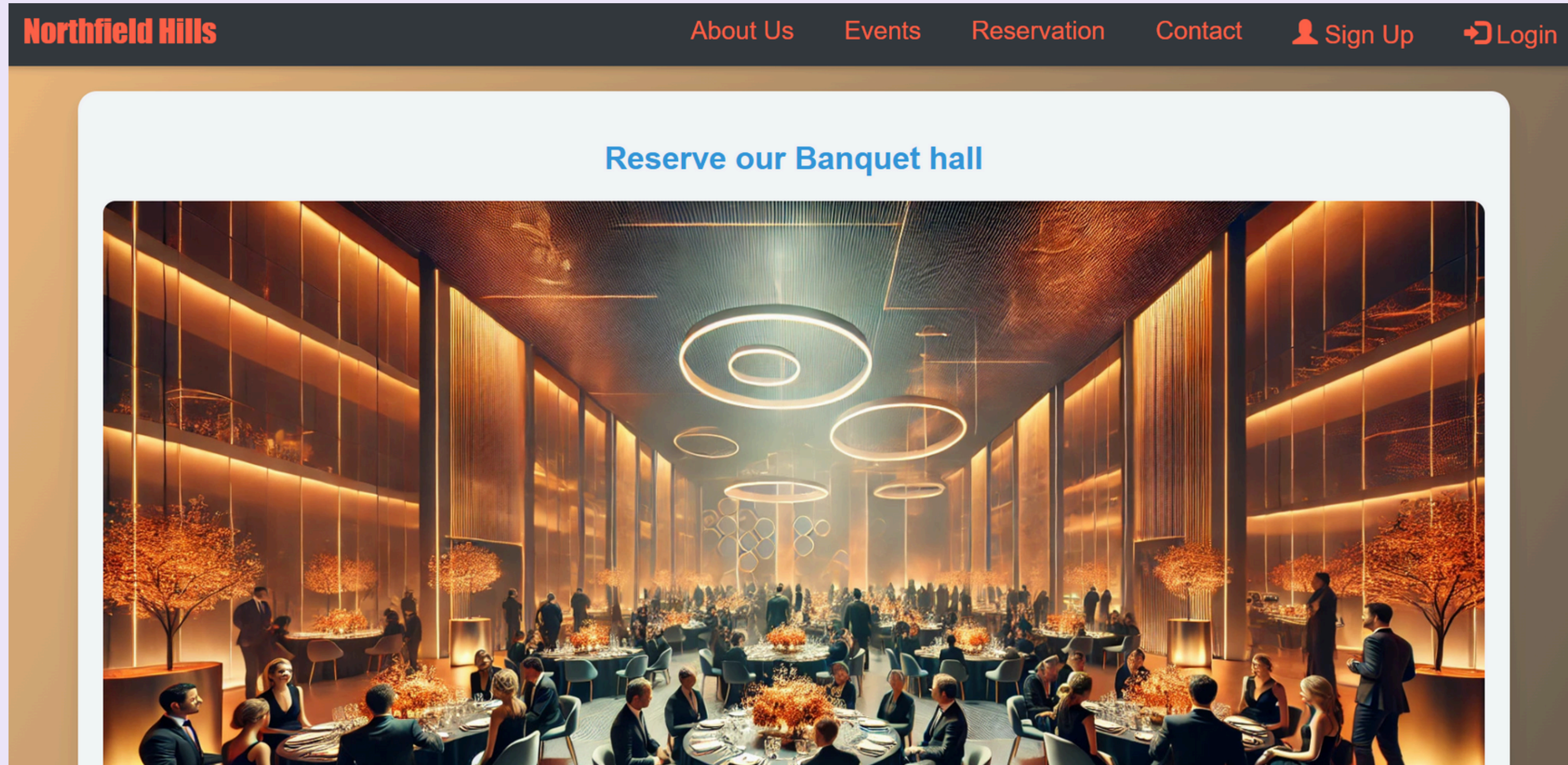
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- Party Planning (Multiple-use):
 - Create an account/Log in
 - Adds event details (title, description, date, location).
 - Pay for hall reservations.
 - Makes changes to event details if plans change.
 - Receives reminders before the event.

- Contact / support
- Feedback

DEMO

<https://sw8-bold-babbage.circumeo-apps.net/about/>





**ANY
QUESTIONS?**