



# Project Proposal - Qftics

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We are proposing a online platform in the education sector that aims to promote quantum computing , with the aim of simplifying it by providing the flexibility of having multiple paths to the student depending on their background .

### Basic Features:

- Online platform to book sessions/workshops in the field of quantum computing.
- A one time short quiz to evaluate the visitor level of understanding of visitor
- Applying for Online mentorship(Both Mentors and Mentees can register)
- Blogging Platform
- Content request (In form of video lectures)
- Online Platform for discussion
- Visual Interactive Tools

More features may be added

## Requirement Analysis

### Must Have :

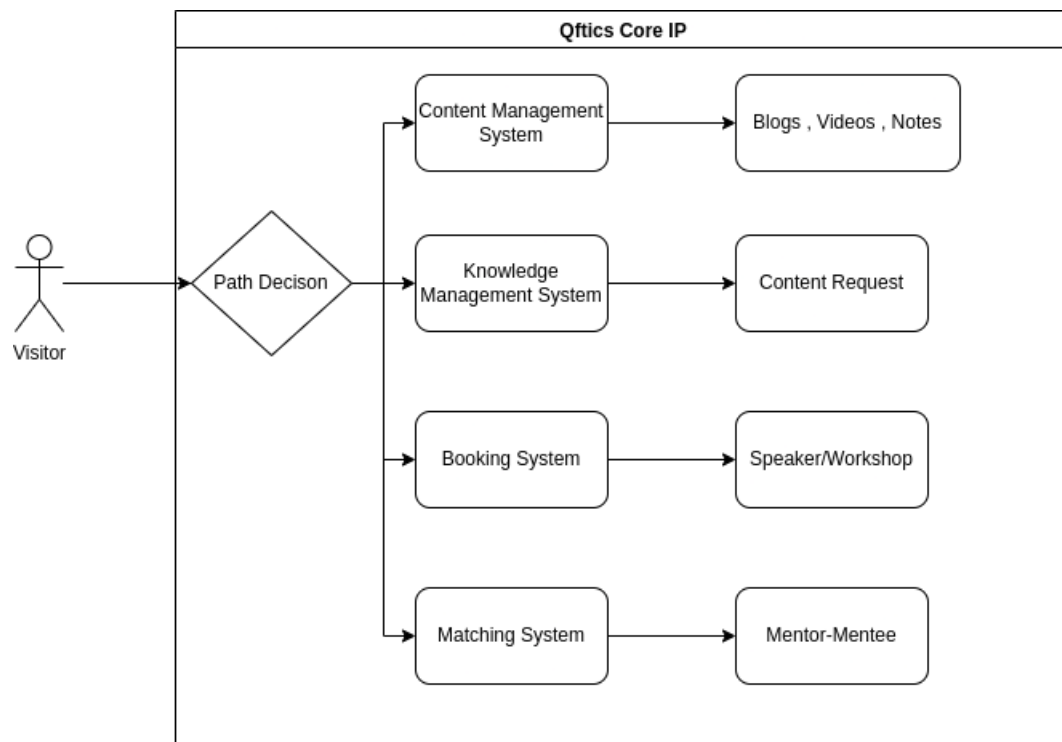
- Workshop/Session Booking System
- Online forum for discussion
- Allow one to one chatting session
- Integration of Visual tools to aid simplification of quantum computing algorithms
- A simple decision model that decides the path on basis of the marks
- Integration with CRM

### Good To Have :

- Machine Learning Model which is capable of matching mentors and mentees.
- Available for mobile platforms
- Integrated video player for lecture

- A ML model to evaluate the result of the test
- Integration with social media
- Compelling design
- Peer to Peer Chatting Platform
- Chat Bot for basic query resolution

## Proposed Platform



## Tech Stack(Expected)

### Front-end :

- HTML/CSS
- JavaScript
- React.s

### Back-end:

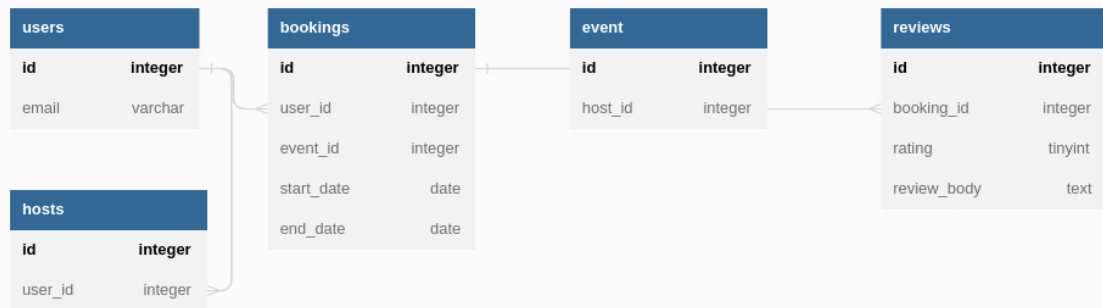
**Web Server:** Apache

**Database management:** MySQL or PostgreSQL

**Scripting Language:** Python

## Relational Schema(Expected):

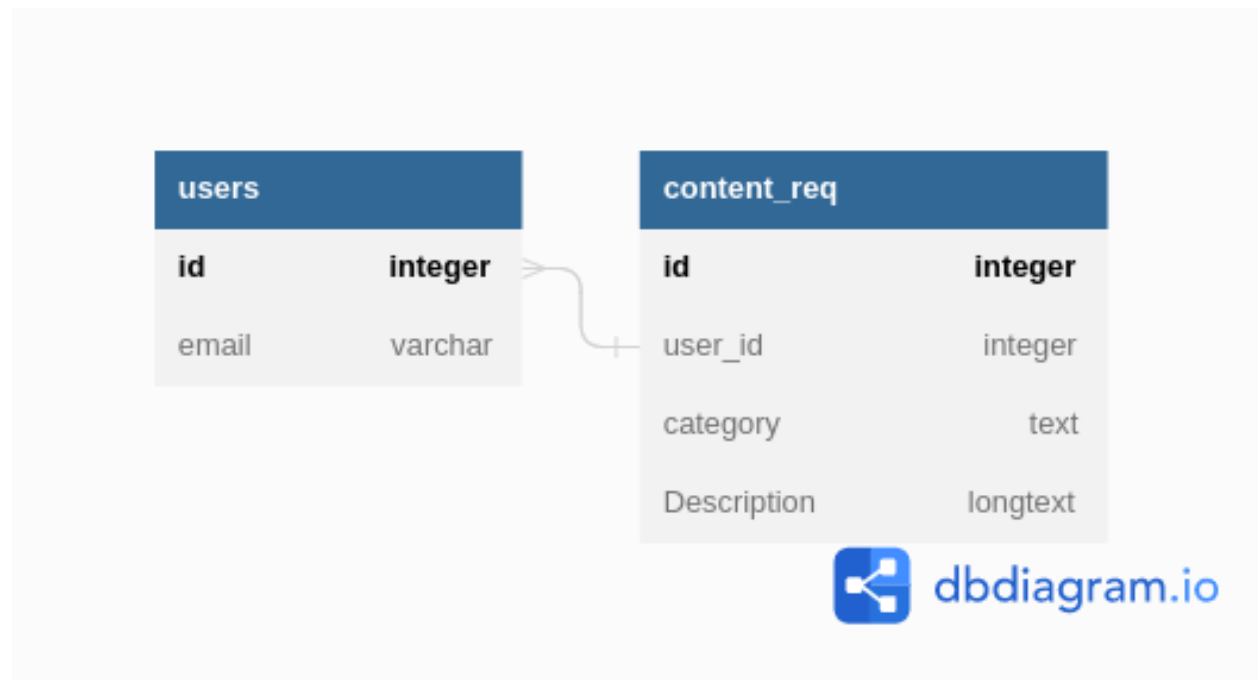
### Booking System:



### Content Management System:



### Content Request:



## API Description: