# Project Proposal

## PUSL3120 Full-Stack Development

Proposal title: A System for organize events

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## Functionality

## It is proposed to use this to let the students at the university know the details of the events organized by various organizations such as music club, SWA, FOSS community in the university. This proposed “Event Master” event organizing web app can be used to announce an event to be held in a school or university, find students who will present their presentations, inform them, book tickets, etc.

## Required properties

### Interactive

### This will enable the organizing committee to select students who wish to participate in the event according to their skills, announce the date and place of the event, and book tickets for students who wish to watch the event.

### Database

MongoDB will be used for this web application.

### Web Sockets

In this system, it is possible to reserve tickets in advance. Not buying it. Pre-booking only. Also, it will be cancelled if not purchased 2 days before the event. The number of tickets currently available for an event is shown here. Web socket is used for this procedure.

### Structured

In order to develop this, it is proposed to use the mediator software design pattern that can be distributed among several elements and locate the behaviour by limiting the occurrence of subclasses.

## Planned Work

### Resources

About Laptop

* Intel i5 11th gen
* 8GB RAM
* NVIDIA GeForce MX350
* OS – Windows 10
* HTML, CSS – For frontend development
* Node.js – For Backend development

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| --- | --- |
| Packages | Use for |
| Mongoose | Connect MongoDB to the app |
| Socket.io | as web socket |
| HTTP | Work for socket.io |
| Express.js | For helping HTTP/framework |

### Testing

### Here, testing will be done while the development is going on. It is called Test Driven Development (TDD).

### Work Plan

