

# Initial Documentation

## 1 Project Details

### **System name: SchedEx**

The system is used to schedule exams which is the motive behind the name. The scheduling includes the allocation of venues, date and time for university courses.

### **Github repository:** <https://github.com/FruitSenpai/SchedEx>

The repository is situated at the link above and will contain the system. There will be six branches on this repository, namely, documentation, master (the main project branch where the final build of the system will be located), followed by a branch for each team member (Harvey, Jason, Uvir and Zaeem) to facilitate ease of work on individual components.

## 2 Project Description

### 2.1 Front-end

Responsible members

- i. Harvey Muyangayanga
- ii. Zaeem Nalla

Features

- i. Lecturer view
  - View personalised exam scheduleIf a lecturer is a course coordinator too, they can:
  - Schedule exam
  - Edit personal details (e.g. courses coordinated)
- ii. Student view
  - View personalised exam schedule

### 2.2 Back-end

Responsible members

- i. Uvir Bhagirathi
- ii. Jason Parry

Features

- i. Database
  - Student details
  - Course details
  - Lecturer details
  - Venue details

## 2.3 Input

- i. A tentative date and time slot in which the course coordinator would like the examination to be taken - there is no guarantee that the date and time will definitely be assigned.
- ii. The class size (number of students registered in the course).
- iii. The current venue where the normal lectures are held for the class.
- iv. The main buildings where the faculties, that the classes belong, are located.

## 2.4 Output

- i. A calendar format with each course-exam-venue combination entered in its correct position
- ii. A list of clashes - where the system was unable to place any courses on separate days or in separate venues due to the unavailability of such days or venues - if there are any

## 2.5 Optional Features

The following features are added as need be and time-permitting based on the completion of the base features in the above mentioned sections.

- i. Google Maps Navigation to the exam venue
- ii. Exam added to the students' Google calendar
- iii. Request exam schedule change
- iv. Webviewer app