

## Requirements

### Use Case Stories:

ID	User	Story	Priority
1	As a user I should...	Securely log into the system, and create an account for a specific user.	High
2	As a user I should...	be able to manage (create, view and edit) all data easily within the web app.	High
3	As a user I should...	Be able to generate an organised timetable based on data I've provided. Students should be able to be allocated to classes without clashes.	High
4	As a user I should...	Move classes freely to different times and be assured that there are no clashes between students.	High
5	As a user I should...	Be able to export the created timetable to an excel or .cal file for easy use.	Medium
6	As a user I should...	Have the ability to use multi-factor authentication to access the website.	Low

### Quality requirements:

Requirement	Justification
Easy of use	The product needs to be intuitive and easy to use for VIT staff to manage timetables effectively without additional training
Security	Unauthorized individuals should not have access to any information within database. Sensitive information should only be accessible to staff members.
Scalability	Product should be able to accommodate a hypothetically infinite number of students. Product shouldn't limit client's capabilities to expand.
Maintainability	Product should be affordable and easy for client to maintain

Motivational Diagram:

