3.3 Constraints and Qualities

Product

Usability

Efficiency

Performance

Space

Dependability

Security

Organizational

Development

The system is designed from a prototype.

A basic functional prototype will be developed and used in order evaluate

Feasibility of requirements and strength of the design.

The system shall poses full documentation for requirements and design models.

The documentation will be broken down and separated into sections in order to provide a work breakdown structure.

Operational

The system is designed to function with various sizes of databases.

As long as the appropriate databases respect the current SQL schema for tables and relationships, the database can be changed.

The web scheduler shall possess a model view controller design pattern.

A model shall be used for the object oriented back-end for managing data. This model can respond to requests from the front end view and the overall controller. This controller will direct user input and general management directives in order to change the state of the model and it’s data.

Environmental

The system requires internet for all user access.

The web application can only be utilized through a web browser on a device with internet access.

The system requires access to databases for user information.

User information is stored in SQL databases that must be accessed to perform all basic operations (login, see schedule).

External

Regulatory

The Schedulers’ team shall conform to Concordia University’s Academic Code of Conduct.

The web application will respect trademarks and intellectual property.

The supporting documentation will cite and reference all works used.

Ethical

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Legislative

Accounting

The scheduler’s team’s captains will keep a time record for meetings.

A time log record for each team meeting, created by a team leader, will be uploaded to the supporting documents for the Scheduler’s team.

Each member will record and log their time spent on each section.

Individual members will record the time spent on each assigned sections.

Safety/Security

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