

UNIVERSITY OF TROMSØ

# INF-2900 Group Project - ScheduleIT

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# Chapter 1

## Introduction

### 1.1 Aim of the project

Thinking of actual students' problems, we tried to find a solution to some of them. We have developed a whole online platform for any group of people able to share a calendar. Our aim was to provide them with a tool that could organize different schedules, being able to show each schedule separately or as a whole calendar that includes all the events. Although our first target was students, the platform can be used by everyone who need an organizer. The only requirement a person needs is creating an account and he or she will be able to create a timetable and share it with people to join it.

People who join a timetable will be able to see the whole calendar but, obviously, they will not be able to edit it. by doing this, we have ensured the safety of a timetable. In addition, in order to maintain the confidentiality of our users, the content of the website cannot be seen by someone without an account.

With the aim of helping new users to create accounts and to learn how to use the application, we have completely filled the Help and About pages. Furthermore, in case some question could not be answered through these pages, an email account has been created for contacting us.

### 1.2 Aim of the curse

One of the purposes of this project was to learn how to work together in a cooperative environment. Some of the challenges we have successfully faced to are: sharing code, dealing with different schedules or finding a common idea of what to do and how to do it. We have learnt that having a meeting once per week is unavoidable for sharing ideas,

problems and struggles, asking for help and being updated.

Finally, another important objective consisted on learning to use the framework Ruby on Rails. We found that it is such a powerful web developer, hard to use for the first time, but very sensitive to any change. That is, with so few code lines you can make big changes in your application. In addition, compared with others frameworks, it is quite easy to put together the logic with the graphics: Ruby helps you as much as a software can.

## **Chapter 2**

# **Background Theory**

What the reader needs to know in order to understand the rest of the report. Examiners like to know that you have done some background research and that you know what else has been done in the field (where relevant). Try to include some references. Related work (if you know of any) What problem are you solving? Why are you solving it? How does this relate to other work in this area? What work does it build on?

### **2.1 Agile Software Development**

### **2.2 Ruby on Rails**

## Chapter 3

# Analysis and Design

Concentrate on explaining the decisions made and the reasons for them.

### 3.1 Web application architecture

### 3.2 Models design

#### 3.2.1 User

#### 3.2.2 Timetable

#### 3.2.3 Event

#### 3.2.4 Participant

#### 3.2.5 Contact

## Chapter 4

# Team Work

### 4.1 How we apply Agile process

### 4.2 Communication between the team

### 4.3 Struments and application used

#### 4.3.1 Github

#### 4.3.2 Pivotal Tracker

## Chapter 5

## Discussion



## Chapter 6

# Conclusions

What have you achieved? Give a critical appraisal (evaluation) of your own work - how could the work be taken further (perhaps by another student next year)?

### 6.1 Evaluation

### 6.2 Further Works on the project

### 6.3 Further Works on the team work process

## Chapter 7

# Bibliography