

# Contents

<b>I</b>	<b>Vision</b>	<b>2</b>
<b>1</b>	<b>Introduction</b>	<b>2</b>
<b>2</b>	<b>Stakeholders</b>	<b>3</b>
2.1	Clients . . . . .	3
2.2	Users . . . . .	3
<b>3</b>	<b>Key High-Level Goals and Problems for the Stakeholders</b>	<b>3</b>
3.1	Problems . . . . .	3
3.2	Goal . . . . .	3
<b>4</b>	<b>User-Level Goals</b>	<b>3</b>
<b>5</b>	<b>Product Overview</b>	<b>4</b>
5.1	Major features . . . . .	4
<b>6</b>	<b>Other Requirements and Constraints</b>	<b>4</b>
<b>II</b>	<b>Use cases</b>	<b>4</b>
<b>7</b>	<b>User case list</b>	<b>4</b>
7.1	Employee . . . . .	4
7.2	Manager . . . . .	4
<b>8</b>	<b>Use cases Brief Format</b>	<b>5</b>
8.1	Employees . . . . .	5
8.1.1	Book a meeting with one or more co-workers . . . . .	5
8.2	Manager . . . . .	5
8.2.1	Overview of employees to utilize time more efficiently . . . . .	5
<b>III</b>	<b>Supplementary specification</b>	<b>5</b>
<b>9</b>	<b>Functionality</b>	<b>5</b>

<b>10 Security</b>	<b>5</b>
<b>11 Usability</b>	<b>5</b>
<b>12 Reliability</b>	<b>6</b>
<b>13 Performance</b>	<b>6</b>
<b>14 Supportability</b>	<b>6</b>
14.1 Maintainability . . . . .	6
14.2 Adaptability . . . . .	6
14.3 Future . . . . .	6
14.4 Internationalization . . . . .	6
<b>15 Implementation</b>	<b>6</b>
<b>16 Interfaces</b>	<b>6</b>
<b>17 Operations</b>	<b>6</b>
<b>18 Operations contracts</b>	<b>7</b>
<b>19 Packaging</b>	<b>7</b>
<b>20 Legal</b>	<b>7</b>
<b>IV Glossary</b>	<b>7</b>

## Part I

# Vision

## 1 Introduction

The purpose of this product is to provide a platform for efficient time utilization and project management for an iterative workflow.

## 2 Stakeholders

### 2.1 Clients

Jacob E. Bardram Dario Pacino

### 2.2 Users

Project managers Employees throughout the organization

## 3 Key High-Level Goals and Problems for the Stakeholders

### 3.1 Problems

Modern organizations have a need for employees to schedule meetings with each other, to use time most efficiently Missing automatisisation results in: organizations suffering from lack of frequent updates and incorrect schedules. Leads to difficulties in planning

### 3.2 Goal

A calender that encourages better utilization of time, and easier online interaction between workers A system which facilities automatisisation to achieve more up to date schedules

## 4 User-Level Goals

To facilitate a better interoperative workflow through all levels of the organization Employee:

- Book a meeting with one or more co-workers
- Check availability of other employees
- Check position of other employees
- Receive invitations
- Update events Manager:
- Overview of employees to utilize time more efficiently
- Team-invite employees for meetings
- Email event-collaborators

## 5 Product Overview

### 5.1 Major features

- Online distributed calendar
- Support for a variety of devices
- Customizable
- Multiple colour themes
- Facilitates team collaboration with emphasis on iterative planning
- Instant on always available service
- Aggregation of a variety of existing service
- Realtime updates, like googledocs

## 6 Other Requirements and Constraints

*See Supplementary Specification and Use cases*

## Part II

## Use cases

### 7 User case list

#### 7.1 Employee

- Book a meeting with one or more co-workers
- Check availability of other employees
- Check position of other employees
- Receive invitations
- Update events

#### 7.2 Manager

- Overview of employees to utilize time more efficiently
- Team-invite employees for meetings
- Email event-collaborators

## **8 Use cases Brief Format**

### **8.1 Employees**

#### **8.1.1 Book a meeting with one or more co-workers**

- The Employee logs in to his calendar
- He finds the the specific time and date
- He checks whether the person he wants to schedule for a meeting is available at that time
- He books a meeting

### **8.2 Manager**

#### **8.2.1 Overview of employees to utilize time more efficiently**

- Manager needs two of his employees for a specialized task
- Manager logs into main view of the calendar system, with a view of employee appointments over a specified timeframe
- He finds two suitable employees who are available in the same timeframe
- He books a the timeslot in both employees calendars

## **Part III**

# **Supplementary specification**

## **9 Functionality**

- Features and Capabilities covered in Vision

## **10 Security**

- Login/password is required by each user

## **11 Usability**

- Every user of a given organization should be able to use the product to a satisfying extend with a maximum of two hours of training
- User manual

## **12 Reliability**

- The product should have an uptime of 99.7
- In case of system failure it should be able to recover all data before the crash

## **13 Performance**

- Response times - The product should have a response time at any given moment of no more than 3 seconds, with a mean time of 0.05 seconds
- Availability - the product should be available anywhere with a network connection

## **14 Supportability**

### **14.1 Maintainability**

- The product will run on a myriad of generic server solutions. The server should continue to work with future upgrades

### **14.2 Adaptability**

### **14.3 Future**

### **14.4 Internationalization**

- The product is built with internationalization in mind, and will only need a minimum of additional configuration to be translated

## **15 Implementation**

- Needs to work with all major desktop and mobile browsers

## **16 Interfaces**

- Other location / event services
- GPS receiver in smartphones

## **17 Operations**

- The system requires an employee/manager to function as a local administrator to handle password resetting, creating user profiles etc.

## 18 Operations contracts

### 18.1 Operation: Create Event(title, timeslot, description, location)

Cross References: none

Pre-conditions:

- user was logged in

Post Conditions

- event was created
- collaborators were notified.

### 18.2 Operation: Answer Invitation with Acceptance

Cross References: none

Pre-conditions:

- user was logged in
- event was created
- collaborators were notified

Post Conditions

- invitation was accepted

### 18.3 Operation: Answer Invitation with Refusal

Cross References: none

Pre-conditions:

- user was logged in
- event was created
- collaborators were notified

Post Conditions

- invitation was refused

## 19 Packaging

There are no packaging concern with this product, as it is transported and sold electronically

## 20 Legal

Tracking issues need to be looked at from legal perspective

## Part IV

# Glossary

Item	Definition and Information	Format	Validation Rules	Aliases
Event	Something that happens at a specific scheduled time: work, meeting, sing-along. Can have several participant. Has: ID, Title, description and a location	Text/date		
Geographical position	geographical position of the user, taken from mobile phone	gps coordinates		
User	A user of the system, and a creator and participant of events			
Invitation	"An invitation to an event. Can have several receivers but only one sender. Fills a timeslot. Can be accepted, rejected or unanswered. Has a Title and a messageBody, "	Text		
Response	"A response to an invitation. Can either be, Accepted or rejected. Has: message, time"			
TimeSlot	The time period associated with an event. Has start time + end time			
Calendar	"The main overview of the events. Has: Events"			