**1.2 Scope**

The scope of this application (Travlendar +) is provide a tool for the target users to

schedule in an eective way their time optimizing the travels.

Travlendar+ allows to create a calendar which ts the meetings and other kind of com-

mitments. The key feature of this application is to determine if the meeting location is

reachable in the scheduled time and then provide a fast way to get to the destionation,

otherwise it notify the user that it is not possibile by any mean to fullll the request.

Furthermore the application also arrange the schedule in a exible way for some kind of

events (like the lunch) and oers the possibility to slightly change its time.

In the creation of the user's calendar it also takes into account the current weather

condition to make smarter decision. As example, if the user show interest in using bike

or a bike sharing service, during a sunny day, the system will favor a suitable path.

The user is invited to provide his order of preferences in terms of means of transport.

In this way, he is free to choose if use bus, train or subway in a particular day. It is

possible to select as well if you want to use a car or bike (your or a sharing service's

one). The system also retrieves information about the current path situation like trac

jam or strikes and immediatly nd alternative solutions.

**3.2 Scenari**

**Scenario 1**

Mark has already bought a new smartphone so he decide to change the application to manage his timetable with the scope to optimize his schedule. So he decides to sign up Travlendar+ Application from his smartphone.

First of all he downloads the application from the smartphone’s store and, once is installed on the device, he fills all the field the registration form in the correct way and, once he confirms the authenticity of the e-mail address, he can join all services provided by the application.

Name:

Sign up

Actor:

Guest

Entry condition:

The actor hasn’t got an account on the system

Flow of the event:

The guest download the application and open the application

The guest clicks on sign up button

The system provides the registration form

The guest inserts mandatory data in the form like name, surname,e-mail.

The guest optionally he could provides optional data like phone, driving licence number and the credit card to eventually pay the services linked to the app

The guest agrees about terms and conditions of the service by put a tick in the checkbox

The guest clicks submit button

The system validates the data already entered

The system sends entered data to the server

The system sends to his e-mail address a mail with a link to check the email address

The guest clicks on the provided address

The system validates the email address and the account

Exit condition:

The actor become a user of the system and he can use the application.

Exception / Alternative exit condition:

Some mandatory field are not correctly filled and the system ask to the guest to correct it or the mail is not correct so is not possible to complete the sign up and the guest must redo the operation filling the field corresponding with the correct e-mail address.

Also if he don’t agree with terms and condition of the service, the application provide an error message and ask to check the corresponding box to complete the operation.

**Scenario 3**

Mark hear from her friend Susan that the application could be personalized with the purpose to better adapt to the user needs so he decides to look at the user’s informations page and modify his profile to adapt it.

He hate to use the bus because he thinks it is too slow and require a lot of time to reach the destination using so he switch off the corresponding field.

Name:

Manage his preference about means of transport

Actor:

User

Entry condition:

The user already logged want to select his preferences about means of transport

Flow of the event:

The user clicks on the menu button and find the page about the account management

The system provides all the information that it know about the user and permit to modify all data defined editable.

The user find the switch corresponding to the bus option and turn off it

The system update the user preferences

Exit condition:

User setted the preferences about the bus

Exception / Alternative exit condition:

The user turn off all the switch so the application return an error message

**Scenario 7 (Goal 7)**

Mark wants to reschedule che appointment of the 3pm putting it forward of an hour and wants to know if is possible to reach the destination on time and also if it grants his lunch. He already scheduled the appointment on Travlendar+ o he is looking for moving it an hour before.

So he opens Travlendar+ calendar application, select the event and move.

He sees by the application that is possible and confirm to Anne the moving of the meeting.

Name:

Modify an already compiled schedule for a certain day.

Actor:

User

Entry condition:

The user is already logged in and he has already fill his timetable with al least one appointment

Flow of the event:

The user selects from the lateral menu the Existing Schedule section

The user insert the data of the event he wants to modify

The system shows all the events of the day

The user clicks on the event he wants to move

The user inserts the updated information

The user confirms the choice

The system calculates the new journey

The system returns a positive feedback so the event updated

Exit condition:

The user succeed in updating his schedule

Exception / Alternative exit condition:

The application report an error if the schedule is not feasible. If the user inserts wrong data the system notifies the error. If the selected data does not contains an event the user is notified of the error.

**Scenario 8 (Goal 8)**

Mark is setting up his own preferences about the means of transport so once here he realize that is possible to set a custom time for the lunch interval and the length that he prefers for the break. He decides that for the lunch is enough thirty minutes and set the time in which he wants to have break.

Name:

Manage his preference about time for break

Actor:

User

Entry condition:

The user is already logged in and wants to change his preferences

Flow of the event:

The user clicks on the menu button and find the page about the account management

The system provides all the information that it know about the user and permit to modify all data defined editable

The user inserts the desired hour that he is used to have break

The user inserts the estimate duration of the break

The system update the user preferences

Exit condition:

The user set his preferred time slots to have a break

Exception / Alternative exit condition:

The user select an end time that is before the start time of the break so the system return an error. If the user inserts a break longer that the time between the start and the end of the break the system returns an error.

**Scenario 9 (Goal 9)**

Mark has already finish the meeting of the 6pm and he must go to the meeting of 6,30pm, so he opens Travlendar+ application and see the best journey in order to his preferences about means of transport that can permit he to reaches the destination in the way he prefers.

So Mark receive the information about the current journey and all the information about traffic jam, status of public transport service means and strikes that the third part services provide to the application.

Name:

Receive information about the current journey

Actor:

User, maps third part services

Entry condition:

The user is already logged in to receive the information about the current journey.

Flow of the event:

The user selects from the homepage the event of the current day schedule of which he wants to have the journey

The system shows the event’s information and also the map with the position of the place where the event take place

The user clicks on the map

The system opens the navigation system providing the journey’s information

Exit condition:

The user reach the destination on time for the next event

Exception / Alternative exit condition:

The user hasn’t got any events during the current day. If the Location of the device is not available the navigator can provide an error.