Business Requirements Document ACRIS Seamless Travel

Document Status: Draft

Version: V0.9

1 Revision History

The change log describes the modifications in each version of the document. .

Version	Date	Name	Description of Change
0.9	11/04/2016	M. Rogal/S. Stiffel	BRD issued for review

Document References

The document references contain the references to documents

Key	Document	Version	Description
Semantic Model	ACI ACRIS Semantic Model		
Implementation Guideline	Seamless Travel Implementation Guideline.docx	0.9	The implementation guideline for the Seamless Travel project. Contains data model and interface details.

2 Table of Contents

3   Introduction

3.1   Purpose and Scope of the Document

This document describes the background and the business requirements of the Seamless Travel project. The following content was developed by the ACI ACRIS Seamless Travel project participants listed in chapter 3.4, supported by the whole ACI ACRIS Working group and partners.

It is designed to help business people and decision makers from airports and airlines to understand how communication with other airports, airlines and partners via the Seamless Travel interface can improve their own business and the various possibilities for new and innovative ideas.

3.2   About this Document

The document is structured as follows:

- Section 1: Revision History
- Section 2: Table of content
- Section 3: Introduction
  This section introduces the guideline document and describes its purpose, the scope, the environment and the conditions.
- Section 4: Project background
  This section describes the general background why ACRIS started this initiative and the global context.
- Section 5: Use cases
  This section explains the use cases defined in the project's scope.
- Section 6: Data Model
  This section describes the logic of the data model that is used throughout the project.

3.3   The ACI ACRIS Working Group

ACRIS is an acronym for "Aviation Community Recommended Information Services", and is one of the working groups under ACI World. Members of the working group are airports, airlines and vendors.

The purpose of this working group is to define standard data models and web interfaces for exchanging operational and passenger related data between the partners in a standardized way.

Two working group face-to-face meetings are being held each year and additional meetings or conference calls are scheduled as required by the projects and topics. The working group is open for airports, airlines and partners from the aviation industry; participation is on voluntary base. All contribution on meetings or projects is done on the own expense of the participants.

For more information on ACI ACRIS working group visit the homepage (http://groups.aci.aero/home) or have a look at the ACI ACRIS information video (https://www.youtube.com/watch?v=Fj7xcAauCSo).

Further details on ACI World can be found at http://www.aci.aero/.

3.4   ACRIS Semantic Model

The ACRIS Semantic Model is a collection of knowledge-driven models organized to support meaningful communication for business collaboration.

The models:

- Represent the business context for communication between organizations as
  - Collaboration process models
  - Domain vocabularies
  - Domain knowledge
- Establish standards for information sharing
  - Standard data item names and format

- Enable the creation of information services
  - XML schema artefacts
  - JSON artefacts
  - Web service description language artefact

The following chapters are giving a brief overview on the ACRIS Semantic Model, for more information see http://groups.aci.aero/home.

3.4.1　　　Purpose of ACRIS Semantic Model

The purpose of the ACRIS Semantic Model is to solve typical collaboration communication problems like:

- Industry Silo
  - Many XML schemas and JSON formats that are not based on a common model view of the business
  - XML schema and JSON formats are applicable focused
  - Many industry standards organizations with many groups working in silo
- Semantic ambiguity
  - Uncontrolled business vocabulary
  - Fragmented business knowledge
  - Poor data standards – XML is not data standard
  - Lack of data governance
  - Data quality issues – lack of meaningful data

The ACRIS Semantic Model is a collaboration communication solution, which brings semantic Dis-ambiguity and data harmonization:

- Establish a controlled vocabulary
- Identify concept and meaning from terms
- Establish concept classification to capture business context
- Establish concept maps to capture business rules and policies
- Use concept maps to standardize data element names

3.4.2　　　ACRIS Semantic Model management principles:

- Collaborate and seek global participation
- Leverage industry models, incorporate partner, industry models at all levels
- Adopt global standards to:
  - Formally represent and use airport communication knowledge
    - UN/CFACT UMM, CCTS and OMG UML
  - Formally manage changes to model and service configuration
    - ITIL based change management process
  - Data element names and formats
    - ISO 11179, ISO 15000 and UN/CFACT NDR 3.0
- Apply automation appropriately – allow for various levels of technology maturity

3.4.3　　　Tools and Technologies

- ACI ACRIS website for Semantic Model collaboration
  - Model change workflow, RFC management and document management
  - Currently under construction on the new website
- Sparxsystems Enterprise Architect
  - UN/CFACT UMM & UPCC3 profiles
  - Sparxsystems schema builder for UN/CFACT NDR 3.0
- MS Word & Excel Spreadsheet Templates
  - Data items mapping

3.5　**Project participants and Contributors**

As the participation on ACI ACRIS projects is on a voluntary base, some airlines, airports and partners were working in the project continuously, others supported the project in different phases according to their capacity or special knowledge.

The following list shows all contributors:

- Changi Airport
- Fraport
- London Heathrow
- Munich Airport
- Schiphol Group
- Swedavia
- Orlando Airport
- Lufthansa
- ACI World
- Amadeus
- APD
- Barich Inc.
- IATA
- Rockport Software
- Rockwell Collins
- SITA
- T-Systems

3.6   IATA and ACI collaboration

As many players in the aviation industry are interested in efficient and high quality services for their customers – including passengers – it make sense to define common standards for information exchange and data models. There are well known organizations for the different areas within the aviation industry representing their members but it is also important to think outside the box. IATA has started the "Simplify the Business" (STB) initiative which shares under the roof of the "Travel Communication" project a lot of the goals with ACRIS Seamless Travel. IATA participated in the ACRIS Seamless Travel project from the beginning and the aim is to create an industry wide common standard that is approved and actively used by airport as well as airline representatives.

3.7   Intended Audience

This document is designed for business people and decision makers of airports, airlines, aviation related vendors and service providers to understand the background, meaning and powerful possibilities of the ACI ACRIS Seamless Travel data model and Web services. Service providers in this context are all companies providing services for passengers like:

- Railway and local public transport
- Car rental companies
- Taxi services
- Shops
- Restaurants
- etc.

4   Benefits

Data interchange in the aviation industry is a big challenge and strategic factor. And that not only means to exchange some data, but to ensure that there is a common understanding of the content, independently which data is exchanged and how many partners are using that content.

The ACI ACRIS Seamless Travel data model and Web services should be implemented for the following reasons:

- No bilateral negotiation between partners to define data model and interfaces
- Common understanding of the data content
- Simple familiarization with defined use cases
- Same interface between different partners for B2B as well as B2C scenarios
- Fast implementation by reusing implementation files (i.e. JSON definition files)
- High quality of pre-existing and proven interfaces
- Data exchange with many different partners via one common interface

5   Project Background, scope and context

Many aviation related companies use the term "Seamless Travel" and of course, there are many different meanings of this term. The purpose of this chapter is to explain why Seamless Travel is a topic for ACI ACRIS and what exactly the meaning of Seamless Travel in this context is.

The Seamless Travel topic was introduced to the ACI ACRIS working group in 2013 by Munich Airport. The idea behind it is to provide passengers as well as visitors with all relevant information and give them the possibility to book services of companies from the whole aviation industry ecosystem. This includes not only airlines and airports, but also ground transportation providers and commercial tenants.

One of the industry observations, namely that people don't want to download a large number of mobile applications to their smartphone in order to get all necessary information and service possibilities for a single trip was the crucial factor to start a project. Currently business travelers are required to have 30 or more apps from different airports and airlines installed on their phones which does not only result in a bad usability experience but also drives heavy users to third-party applications with less trustworthy data sources.

Another fact is that airlines and airports want to offer different information and services to passengers during their journey. This starts with simple information about upcoming flights or places at the airport but also includes bookable services like paid lounge access. An important goal is to give the passenger reliable and trusted information during the whole journey.

The challenge is to find new ways for airports and airlines to approach the customer and to give them the possibility to distribute high quality information - including services - via many distribution channels.

A customer in this context can be:

- a passenger
- a visitor at the airport
- someone picking up someone else from the airport
- someone bringing someone else to the airport

To face this challenge, different approaches are conceivable. One is to have a single common app for the whole aviation industry, which is a utopian idea and only feasible for a modest number of companies. The other one is to define a common data model and according interfaces to exchange data. This standard would allow the embedding of trusted information (including services) from all partners in other applications.

One example scenario is a passenger travelling from Munich via Frankfurt to New York. This passenger should not be forced to download the Lufthansa, Munich airport, Frankfurt airport, and JFK airport applications in order to get all travel details. Each of these apps is capable of displaying reliable information on a particular flight segment and interesting services at a specific location. More precisely: The Munich airport app could be enabled to show transfer information for the next segment (Frankfurt to New York), to book a lounge at Frankfurt Airport, or find a location and the fastest way from the baggage belt to a specific restaurant in New York. For the airports and airline involved in this trip, Seamless Travel is a great chance to provide better information and sell more services, independent of which app the passenger downloaded.

For such a scenario, the following data exchange is imaginable:

- Information about flights and all relevant data like boarding gate and time
- Information on restaurants and shops at the airport, including their location or menu respectively their offers
- Information on parking and public transportation including reservation of a parking lot or buying train tickets
- Bookable services at the airport (departure, transfer and arrival airport) like lounge or fast lane access
- Vouchers for any kind of service at the airport
- Navigation at the airport
- Miscellaneous information like weather

All this and much more information is available in the IT systems of the partners. The ACI ACRIS Seamless Travel data model and Web service interface will make it possible to exchange these pieces of information between all partners in a common and standardizes way.

Munich airport has started working on this topic some years in advance, so some of the definitions were used as base for the ACI ACRIS standard definition. The project management was also done by Munich airport.

5.1   Scope

The project scope was defined as:

- Definition of data model
  The standard describes the different entities with all attributes and properties.
- Alignment to ACI ACRIS Semantic Model
  The semantic model represents the airport community common knowledge. It comprises of ideas (business concepts) and connections between the ideas and is a collection of terms in the form of diagrams made by aviation industry professionals.
- Define Web service interfaces
  The standard describes all interfaces to handle transactions and exchange information corresponding the defined entities.
- Pilot implementation
  Proof the manageability of these interfaces by providing one or more prototype implementations (e.g. mobile applications, web services, etc.)

5.2   Out of Scope

This document does not contain the following items:

- Definition of specific services
  The standard does not define which kind of services can be offered via the Seamless Travel interface.
- Interconnectivity
  The defined interfaces can be used for direct connection between partners as well as there can be one or many platform providers / data integrators as a central connection point where the partners interlink.
- Regulations or contracts
  In real world scenarios partners will need to have regulations or contractual agreements for their legal relationship and data exchange (e.g. SLA, privacy issues). Because these details differ for each relationship, they are not defined in this project's context.

6   Use Cases

One of the first tasks for the project group was to define relevant B2B and B2C use cases. As there are different perspectives regarding airport, airline, provider and passenger, the use cases where clustered as shown in the diagram below.

As described in 3.4 Sparxsystems Enterprise Architect is used for specifying the ACRIS Semantic Model including use cases. This whole chapter is the Enterprise Architect representation of the use cases.

7   Use Cases
Package in package 'Model'

7.1   Actors
Package in package 'Use Cases'

7.1.1   Actors diagram
Use Case diagram in package 'Actors'

Figure 1: Actors

7.1.2   Airline
Actor in package 'Actors'

7.1.3 Airport

Actor in package 'Actors'

Airport
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.1.4 Application

Actor in package 'Actors'

Application
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 08/08/2015. Last modified 08/08/2015

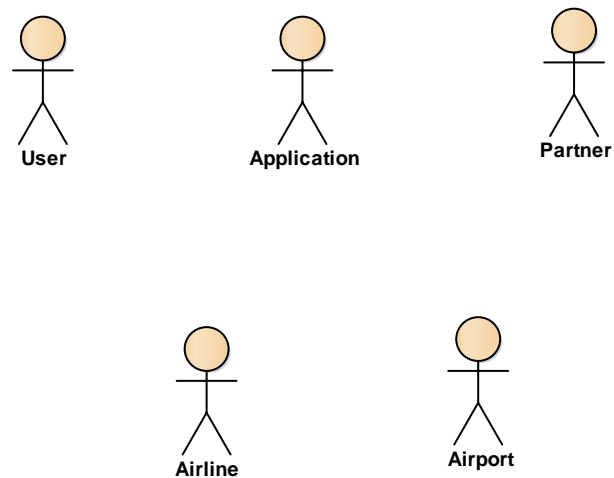### 7.1.5 Partner

Actor in package 'Actors'

Partner
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.1.6 User

Actor in package 'Actors'

User
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 08/08/2015. Last modified 08/08/2015

7.2   **Use Cases**

Package in package 'Use Cases'

7.2.1   Use Cases diagram
Package diagram in package 'Use Cases'

Services
- + Book Service
- + Book/Change/Cancel Service
- + Bookmark Service
- + Cancel Booked Service
- + List History of Booked Services
- + List Unfulfilled Booked Services
- + Preparation/Reservation of Services
- + Receive Available Service Providers
- + Receive List of Booked Services
- + Remove Bookmark of Service
- + View Service Information

Account
- + Change Airport
- + Change Password for the Seamless Travel Platform
- + Create Account
- + Delete Account
- + Login Seamless Travel platform
- + Provide Information to PAX
- + Provide Known Traveler credentials
- + Receive Passenger Itinerary
- + Select Default Airport
- + Share User Information
- + Update Account
- + Visa and Passport requirements (transit and arrival airport)

Airline
- + Get Bag Status / Location
- + Receive Baggage Information
- + Share Aircrafts (Type) in Use
- + Share information with Partners
- + Share Specific Airline Information
- + Show Airline Information
- + Supply Lost & Found Details

Airport
- + Overview Airport Services
- + Pax Info - Availability of automated border control (arrival airport)
- + Pax Info - Availability of automated border control (departure airport)
- + Pax Info - Availability of automated border control (transit airport)
- + Pax Info - Availability of security fast track
- + Pax Info - Baggage tag and drop options to passenger
- + Pax Info - Gate information
- + Pax Info - Security screening regulations
- + Pax Info - Security waiting times
- + Search Airport Services
- + Share Airport-specific Information
- + Share Weather Information
- + Show Airport-Information

Flight
- + Bookmark Flight
- + Pax Info - Cancellations
- + Pax Info - Flight delays
- + Remove Bookmark of Flight
- + Search Flight
- + Share Flight Information
- + Share passenger numbers
- + Show Flight Overview

Location
- + Passenger Tracking
- + Show Route from A to B
- + Show User Location on Map

Trip
- + Add Item to Trip
- + Create Trip
- + Overview Trip Services
- + Remove Item from Trip
- + Search Trip Services
- + Show Trip Information

Figure 2: Use Cases

7.2.2 Use Cases diagram
Use Case diagram in package 'Use Cases'

- Share User Information
- Add Item to Trip
- Book Service
- Book/Change/Cancel Service
- Bookmark Flight
- Bookmark Service

- Cancel Booked Service
- Change Airport
- Change Password for the Seamless Travel Platform
- Create Account
- Create Trip
- Delete Account

- Get Bag Status / Location
- List History of Booked Services
- List Unfulfilled Booked Services
- Login Seamless Travel platform
- Overview Airport Services
- Overview Trip Services

- Passenger Tracking
- Pax Info - Availability of automated border control (arrival airport)
- Pax Info - Availability of automated border control (departure airport)
- Pax Info - Availability of automated border control (transit airport)
- Pax Info - Availability of security fast track
- Pax Info - Baggage tag and drop options to passenger

- Pax Info - Cancellations
- Pax Info - Flight delays
- Pax Info - Gate information
- Pax Info - Security screening regulations
- Pax Info - Security waiting times
- Preparation/Reservation of Services

- Provide Information to PAX
- Provide Known Traveler credentials
- Receive Available Service Providers
- Receive Baggage Information
- Receive List of Booked Services
- Receive Passenger Itinerary

- Remove Bookmark of Flight
- Remove Bookmark of Service
- Remove Item from Trip
- Search Airport Services
- Search Flight
- Search Trip Services

- Select Default Airport
- Share Aircrafts (Type) in Use
- Share Airport-specific Information
- Share Flight Information
- Share Specific Airline Information
- Share Weather Information

- Share information with Partners
- Share passenger numbers
- Show Airline Information
- Show Airport-Information
- Show Flight Overview
- Show Route from A to B

- Show Trip Information
- Show User Location on Map
- Supply Lost & Found Details
- Update Account
- View Service Information
- Visa and Passport requirements (transit and arrival airport)

Figure 3: Use Cases

7.2.3   Account
Package in package 'Use Cases'

7.2.3.1 Account diagram

Use Case diagram in package 'Account'
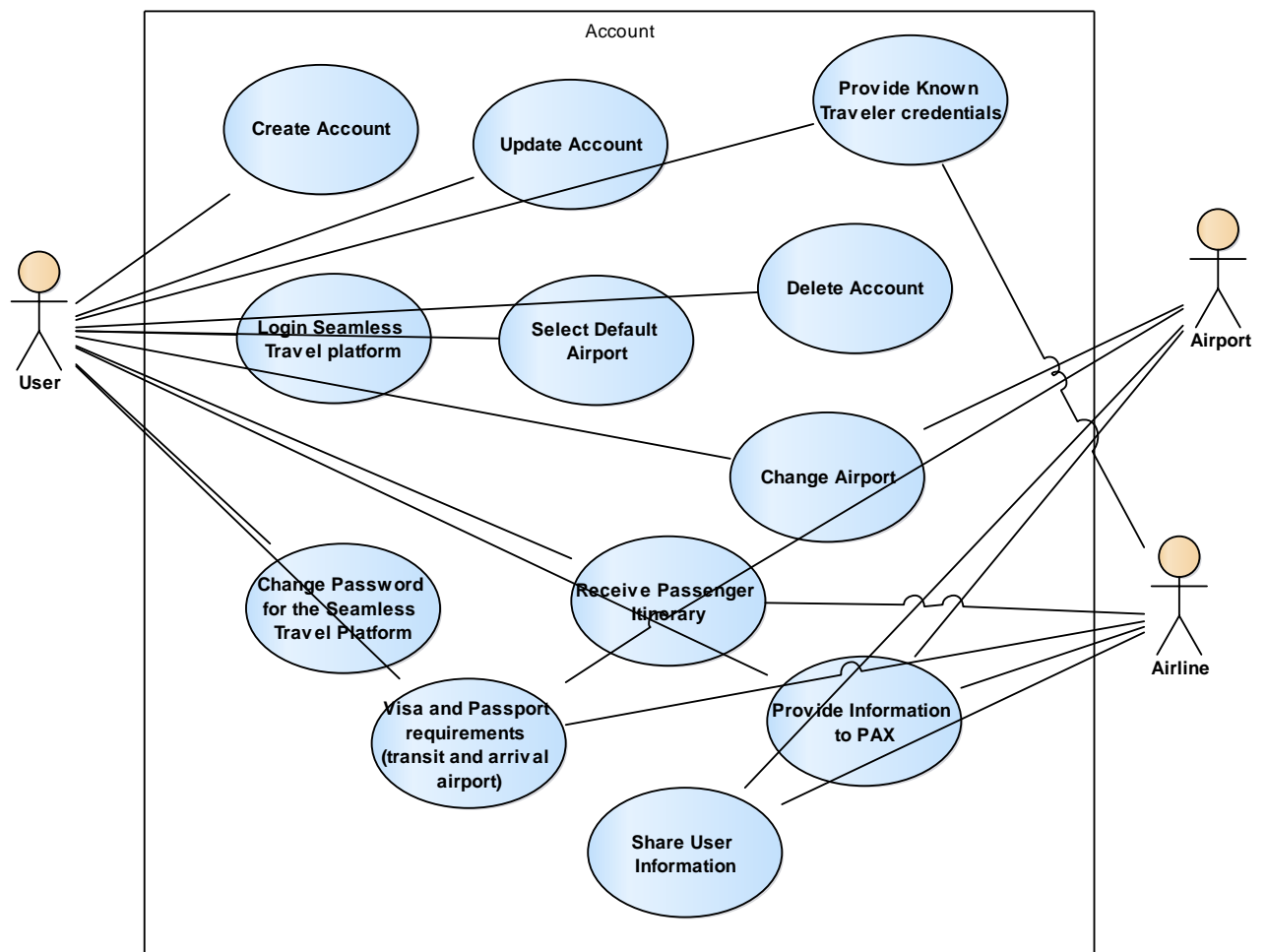
Figure 4: Account

7.2.3.2 Change Airport

UseCase in package 'Account'

The user either manually selects a different than his default airport or it is automatically selected based on the user's location.

Change Airport
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

Basic Path

Change Airport:

[1] The application displays a list with all airports which are available in the seamless travel platform. [2] The user selects one of these choices. [3] The application stores the current airport in the user profile.

Alternate Paths

Alternative Path:

(at [1])

The application detects that the user is at an Seamless Travel enabled airport that is not his default airport nor the one currently selected. The application then automatically switches to the airport the user is currently at..

Change Airport_ActivityGraph
Activity owned by 'Change Airport', in package 'Account'

Change Airport_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Change Airport_ActivityGraph diagram
Activity diagram in package 'Account'

Change Airport_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

Alternate1

[Alternative Path]

The application displays a list with all airports which are available in the seamless travel platform

The application detects that the user is at an Seamless Travel enabled airport that is not his default airport nor the one currently selected. The application then automatically switches to the airport the user is currently at.

The user selects one of these choices

The application stores the current airport in the user profile

End
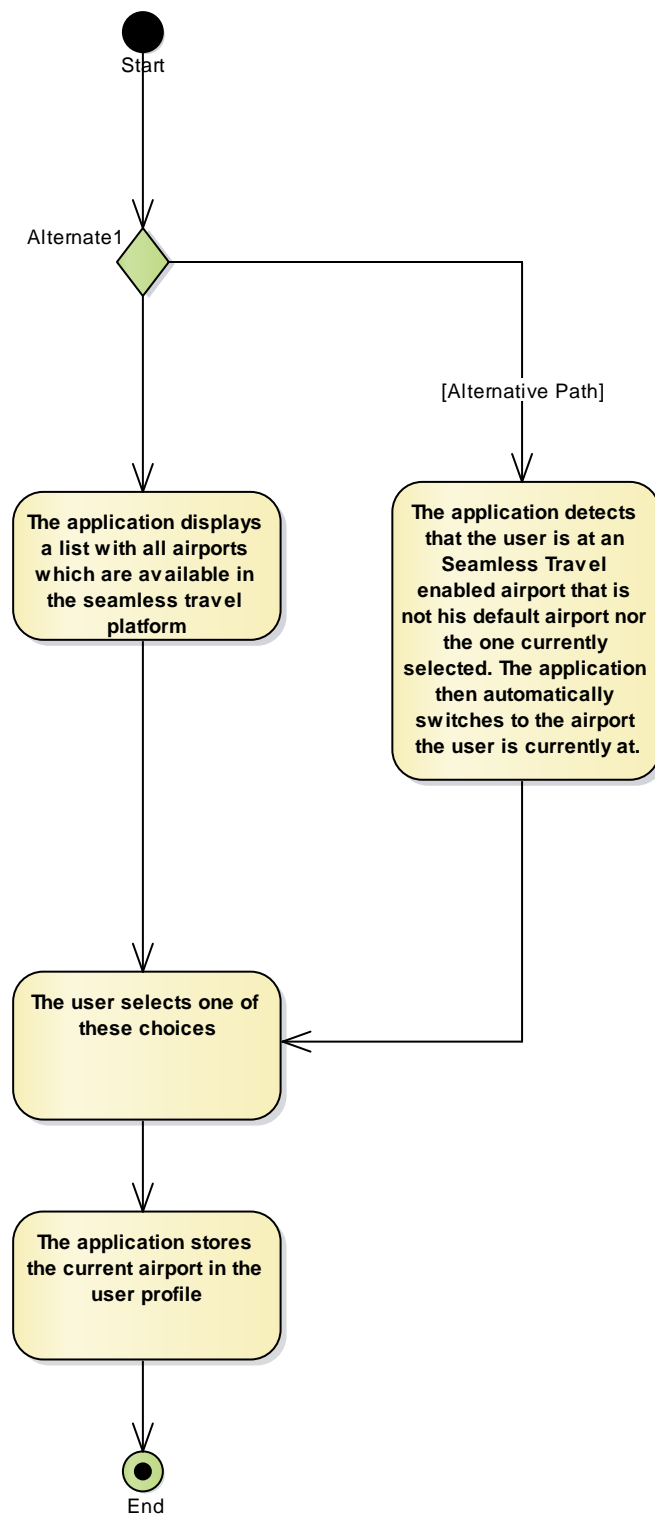
Figure 5: Change Airport_ActivityGraph

The application detects that the user is at an Seamless Travel enabled airport that is not his default airport nor the one currently selected. The application then automatically switches to the airport the user is currently at.

Activity owned by 'Change Airport_ActivityGraph', in package 'Account'

The application detects that the user is at an Seamless Travel enabled airport that is not his default airport nor the one currently selected. The application then automatically switches to the airport the user is currently at.

Version 1.0 Phase 1.0 Proposed

Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application displays a list with all airports which are available in the seamless travel platform

Activity owned by 'Change Airport_ActivityGraph', in package 'Account'

The application displays a list with all airports which are available in the seamless travel platform

Version 1.0 Phase 1.0 Proposed

Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application stores the current airport in the user profile

Activity owned by 'Change Airport_ActivityGraph', in package 'Account'

The application stores the current airport in the user profile

Version 1.0 Phase 1.0 Proposed

Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user selects one of these choices

Activity owned by 'Change Airport_ActivityGraph', in package 'Account'

The user selects one of these choices

Version 1.0 Phase 1.0 Proposed

Bob Logan created on 24/10/2016. Last modified 24/10/2016

Alternate1

DecisionNode owned by 'Change Airport_ActivityGraph', in package 'Account'

Alternate1

End

ActivityFinal owned by 'Change Airport_ActivityGraph', in package 'Account'

<div align="right">

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Start

ActivityInitial owned by 'Change Airport_ActivityGraph', in package 'Account'

<div align="right">

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

7.2.3.3 Change Password for the Seamless Travel Platform

UseCase in package 'Account'

The user has selected the change password page of the seamless travel platform. He enters his current credentials and the new password. After the system has checked the password policy, the new password is stored for the account.

<div align="right">

Change Password for the Seamless Travel Platform
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 25/11/2015

</div>

Basic Path

Change Password for the Seamless Travel Platform:

[1] The user selects the change password screen. [2] The user enters the login name and old password. [3] The user enters the new password. [4] The system checks that the password policy is correct. [5] Password is changed.

Change Password for the Seamless Travel Platform_ActivityGraph
Activity owned by 'Change Password for the Seamless Travel Platform', in package 'Account'

Change Password for the Seamless Travel Platform_ActivityGraph diagram
Activity diagram in package 'Account'
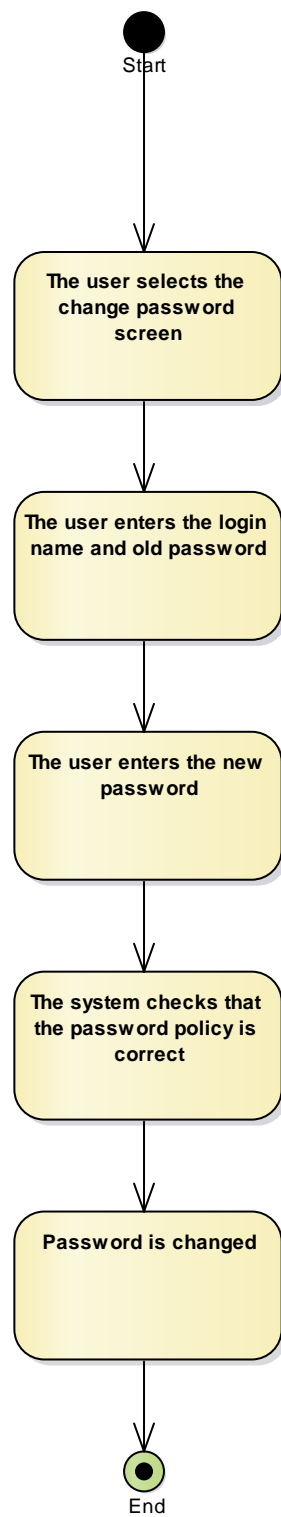
Figure 6: Change Password for the Seamless Travel Platform_ActivityGraph

Password is changed

Activity owned by 'Change Password for the Seamless Travel Platform_ActivityGraph', in package 'Account'

The system checks that the password policy is correct
Activity owned by 'Change Password for the Seamless Travel Platform_ActivityGraph', in package 'Account'

The system checks that the password policy is correct
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user enters the login name and old password
Activity owned by 'Change Password for the Seamless Travel Platform_ActivityGraph', in package 'Account'

The user enters the login name and old password
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user enters the new password
Activity owned by 'Change Password for the Seamless Travel Platform_ActivityGraph', in package 'Account'

The user enters the new password
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user selects the change password screen
Activity owned by 'Change Password for the Seamless Travel Platform_ActivityGraph', in package 'Account'

The user selects the change password screen
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End

ActivityFinal owned by 'Change Password for the Seamless Travel Platform_ActivityGraph', in package 'Account'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

ActivityInitial owned by 'Change Password for the Seamless Travel Platform_ActivityGraph', in package 'Account'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.3.4 Create Account

UseCase in package 'Account'

The user creates an account for the Seamless Travel Platform.

Create Account
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

Basic Path

Create Account:

[1] The application displays a sign up form. [2] The user fills out the input fields (at least the compulsory ones). [3] The user submits the form. [4] The application validates the entered data, if not valid: jumps to (1) and shows error message, otherwise creates an user account and stores the data entered.

Create Account_ActivityGraph

Activity owned by 'Create Account', in package 'Account'

Create Account_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Create Account_ActivityGraph diagram
Activity diagram in package 'Account'

Create Account_ActivityGraph
Version 1.0
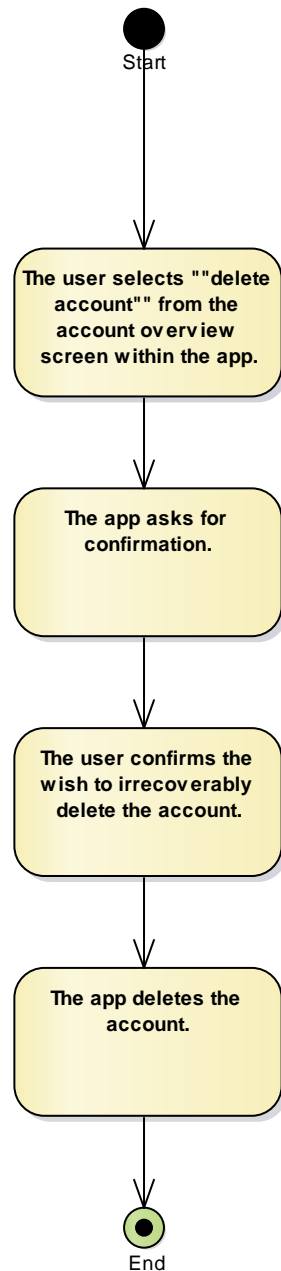Bob Logan created on 24/10/2016. Last modified 24/10/2016
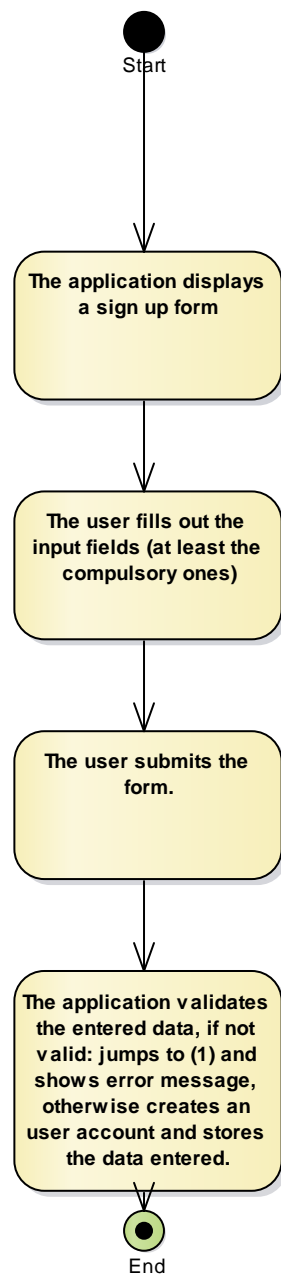
Figure 7: Create Account_ActivityGraph

The application displays a sign up form
Activity owned by 'Create Account_ActivityGraph', in package 'Account'

<div align="right">

The application displays a sign up form
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

The application validates the entered data, if not valid: jumps to (1) and shows error message, otherwise creates an user account and stores the data entered.
Activity owned by 'Create Account_ActivityGraph', in package 'Account'

<div align="right">

The application validates the entered data, if not valid: jumps to (1) and shows error message, otherwise creates an user account and stores the data entered.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

The user fills out the input fields (at least the compulsory ones)
Activity owned by 'Create Account_ActivityGraph', in package 'Account'

<div align="right">

The user fills out the input fields (at least the compulsory ones)
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

The user submits the form.
Activity owned by 'Create Account_ActivityGraph', in package 'Account'

<div align="right">

The user submits the form.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

End

ActivityFinal owned by 'Create Account_ActivityGraph', in package 'Account'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

ActivityInitial owned by 'Create Account_ActivityGraph', in package 'Account'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.3.5 Delete Account

UseCase in package 'Account'

The user deletes an account from the Seamless Travel Platform.

Delete Account
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

Basic Path

Delete Account:

[1] The user selects ""delete account"" from the account overview screen within the app. [2] The app asks for confirmation. [3] The user confirms the wish to irrecoverably delete the account. [4] The app deletes the account.

Delete Account_ActivityGraph

Activity owned by 'Delete Account', in package 'Account'

Delete Account_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Figure 8: Delete Account_ActivityGraph

The app asks for confirmation.
Activity owned by 'Delete Account_ActivityGraph', in package 'Account'

The app deletes the account.
Activity owned by 'Delete Account_ActivityGraph', in package 'Account'

The user confirms the wish to irrecoverably delete the account.
Activity owned by 'Delete Account_ActivityGraph', in package 'Account'

The user selects ""delete account"" from the account overview screen within the app.
Activity owned by 'Delete Account_ActivityGraph', in package 'Account'

End
ActivityFinal owned by 'Delete Account_ActivityGraph', in package 'Account'

Start

ActivityInitial owned by 'Delete Account_ActivityGraph', in package 'Account'

7.2.3.6 Login Seamless Travel platform

UseCase in package 'Account'

The user has selected the login page for login to the seamless travel platform. He has to enter credentials.

Basic Path

Login Seamless Travel platform:

[1] The user selects the login screen. [2] The user enters the login name and password. [3] The application validates the username and password. [4] The application logs in the user and shows next screen.

Login Seamless Travel platform_ActivityGraph

Activity owned by 'Login Seamless Travel platform', in package 'Account'

Login Seamless Travel platform_ActivityGraph diagram
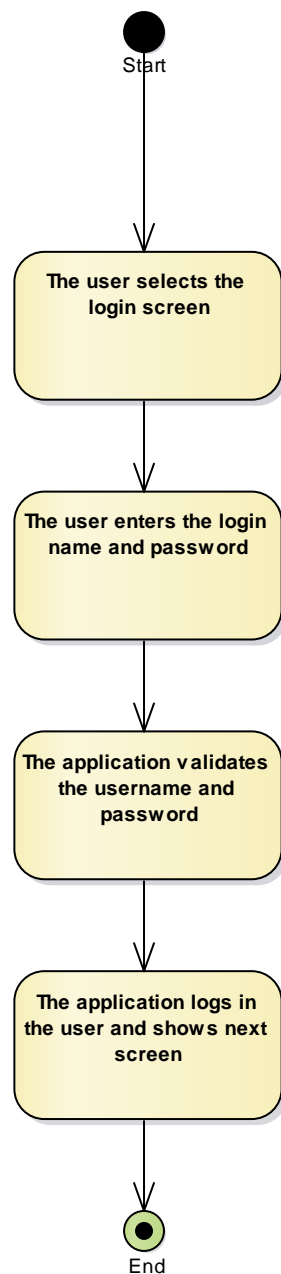
Activity diagram in package 'Account'

Figure 9: Login Seamless Travel platform_ActivityGraph

The application logs in the user and shows next screen
Activity owned by 'Login Seamless Travel platform_ActivityGraph', in package 'Account'

The application logs in the user and shows next screen
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application validates the username and password

Activity owned by 'Login Seamless Travel platform_ActivityGraph', in package 'Account'

The application validates the username and password
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user enters the login name and password

Activity owned by 'Login Seamless Travel platform_ActivityGraph', in package 'Account'

The user enters the login name and password
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user selects the login screen

Activity owned by 'Login Seamless Travel platform_ActivityGraph', in package 'Account'

The user selects the login screen
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End

ActivityFinal owned by 'Login Seamless Travel platform_ActivityGraph', in package 'Account'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

ActivityInitial owned by 'Login Seamless Travel platform_ActivityGraph', in package 'Account'

Start

7.2.3.7 Provide Information to PAX

UseCase in package 'Account'

The application displays either general relevant information (e.g. advertisements or warnings) or context sensitive information (e.g. delays, confirmations, cancellations) on the user's screen (e.g. push notification, via email)

Basic Path

Provide Information to PAX:

[1] The user receives the information on a screen. [2] The user can discard the information or react to it, where applicable (e.g. open a link, jump into a specific function).

Provide Information to PAX_ActivityGraph
Activity owned by 'Provide Information to PAX', in package 'Account'

Provide Information to PAX_ActivityGraph diagram
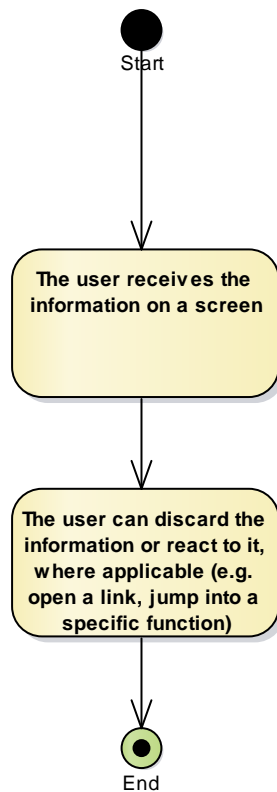*Activity diagram in package 'Account'*

Figure 10: Provide Information to PAX_ActivityGraph

The user can discard the information or react to it, where applicable (e.g. open a link, jump into a specific function)
Activity owned by 'Provide Information to PAX_ActivityGraph', in package 'Account'

The user can discard the information or react to it, where applicable (e.g. open a link, jump into a specific function)
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user receives the information on a screen
Activity owned by 'Provide Information to PAX_ActivityGraph', in package 'Account'

The user receives the information on a screen
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End

ActivityFinal owned by 'Provide Information to PAX_ActivityGraph', in package 'Account'

<div align="right">

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Start

ActivityInitial owned by 'Provide Information to PAX_ActivityGraph', in package 'Account'

<div align="right">

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

7.2.3.8 Provide Known Traveler credentials

UseCase in package 'Account'

User stores any Known Traveler (TSA Pre-check, Clear, Airline credentials, etc.) in the app for easy reference

<div align="right">

Provide Known Traveler credentials
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 28/10/2016

</div>

Basic Path

Provide Known Traveler credentials:

[1] User completes Known Traveler process. [2] User requests Credential file from issuer. [3] User imports credential file into the Application.

Provide Known Traveler credentials_ActivityGraph

Activity owned by 'Provide Known Traveler credentials', in package 'Account'

<div align="right">

Provide Known Traveler credentials_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Provide Known Traveler credentials_ActivityGraph diagram
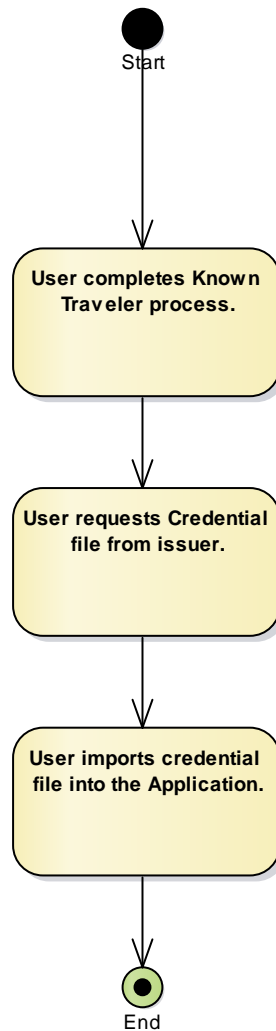*Activity diagram in package 'Account'*

Figure 11: Provide Known Traveler credentials_ActivityGraph

User completes Known Traveler process.
Activity owned by 'Provide Known Traveler credentials_ActivityGraph', in package 'Account'

User imports credential file into the Application.
Activity owned by 'Provide Known Traveler credentials_ActivityGraph', in package 'Account'

User imports credential file into the Application.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

User requests Credential file from issuer.
Activity owned by 'Provide Known Traveler credentials_ActivityGraph', in package 'Account'

User requests Credential file from issuer.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End
ActivityFinal owned by 'Provide Known Traveler credentials_ActivityGraph', in package 'Account'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start
ActivityInitial owned by 'Provide Known Traveler credentials_ActivityGraph', in package 'Account'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.3.9 Receive Passenger Itinerary

UseCase in package 'Account'

The user allows booking agent to send new trip itinerary to app.

Basic Path

Receive Passenger Itinerary:

[1] The user books a trip and purchases a ticket. [2] The user enters the airline and booking number into the application. [3] The application retrieves the entire itinerary from the airline and loads it error-free into the application for the user. This includes the BCBP.

Alternate Paths

Alternative Path:

(at [1])

The user forwards an email to the Seamless Travel application which scans the email for trip itinerary and confirms with the user..

Receive Passenger Itinerary_ActivityGraph
Activity owned by 'Receive Passenger Itinerary', in package 'Account'

Receive Passenger Itinerary_ActivityGraph diagram
Activity diagram in package 'Account'

Start

Alternate1

[Alternative Path]

The user books a trip and purchases a ticket.

The user forwards an email to the Seamless Travel application which scans the email for trip itinerary and confirms with the user.

The user enters the airline and booking number into the application.

The application retrieves the entire itinerary from the airline and loads it error-free into the application for the user. This includes the BCBP.
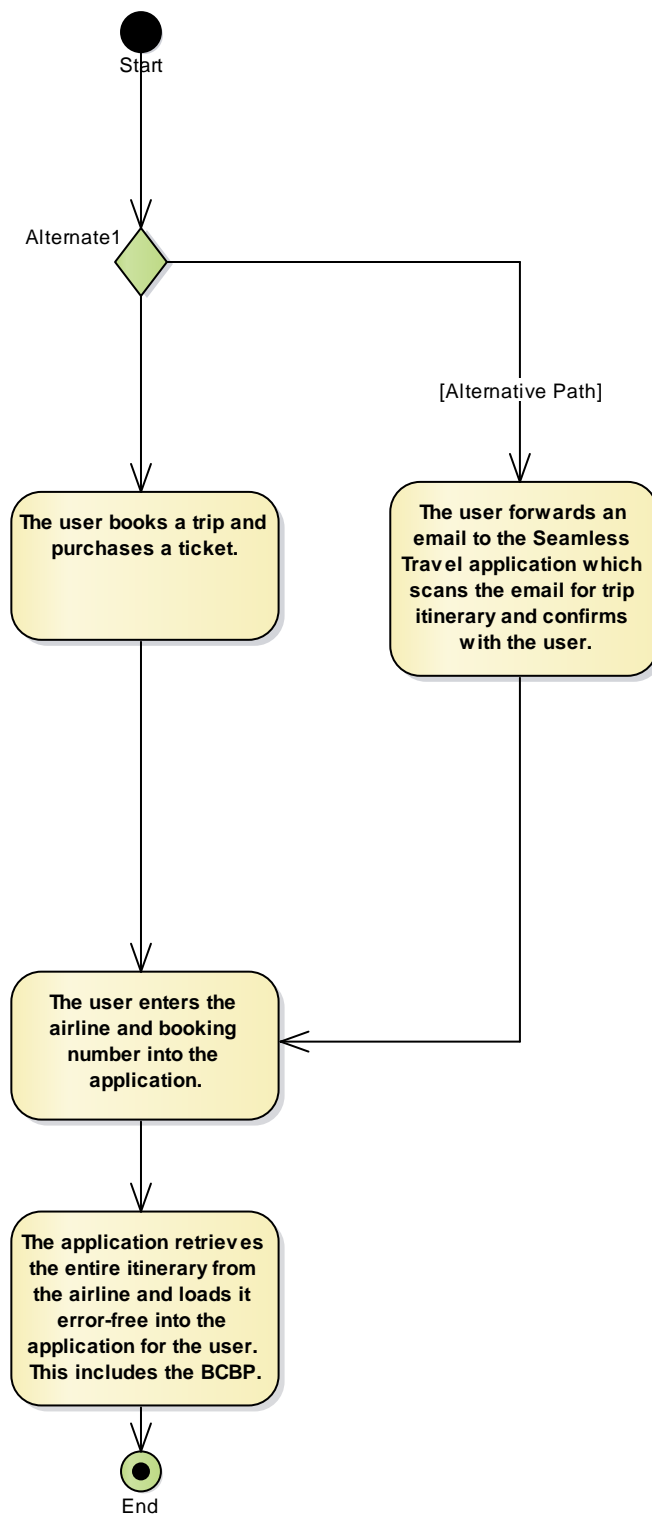
End

Figure 12: Receive Passenger Itinerary_ActivityGraph

The application retrieves the entire itinerary from the airline and loads it error-free into the application for the user. This includes the BCBP.

Activity owned by 'Receive Passenger Itinerary_ActivityGraph', in package 'Account'

The application retrieves the entire itinerary from the airline and loads it error-free into the application for the user.
This includes the BCBP.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user books a trip and purchases a ticket.

Activity owned by 'Receive Passenger Itinerary_ActivityGraph', in package 'Account'

The user books a trip and purchases a ticket.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user enters the airline and booking number into the application.

Activity owned by 'Receive Passenger Itinerary_ActivityGraph', in package 'Account'

The user enters the airline and booking number into the application.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user forwards an email to the Seamless Travel application which scans the email for trip itinerary and confirms with the user.

Activity owned by 'Receive Passenger Itinerary_ActivityGraph', in package 'Account'

The user forwards an email to the Seamless Travel application which scans the email for trip itinerary and confirms with the user.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Alternate1

DecisionNode owned by 'Receive Passenger Itinerary_ActivityGraph', in package 'Account'

End

ActivityFinal owned by 'Receive Passenger Itinerary_ActivityGraph', in package 'Account'

Start

ActivityInitial owned by 'Receive Passenger Itinerary_ActivityGraph', in package 'Account'

7.2.3.10   Select Default Airport

UseCase in package 'Account'

The user selects his default airport from a list of airports. This is needed for pre selections in the app.

Select Default Airport
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

Basic Path

Select Default Airport:

[1] The application displays a list with all airports which are available in the seamless travel platform. [2] The user select one of the Airports as his default Airport. [3] The application stores the default Airport in the user profile. [4] The application shows the Seamless Travel site of the default Airport.

Select Default Airport_ActivityGraph

Activity owned by 'Select Default Airport', in package 'Account'

Select Default Airport_ActivityGraph diagram

Activity diagram in package 'Account'

Figure 13: Select Default Airport_ActivityGraph
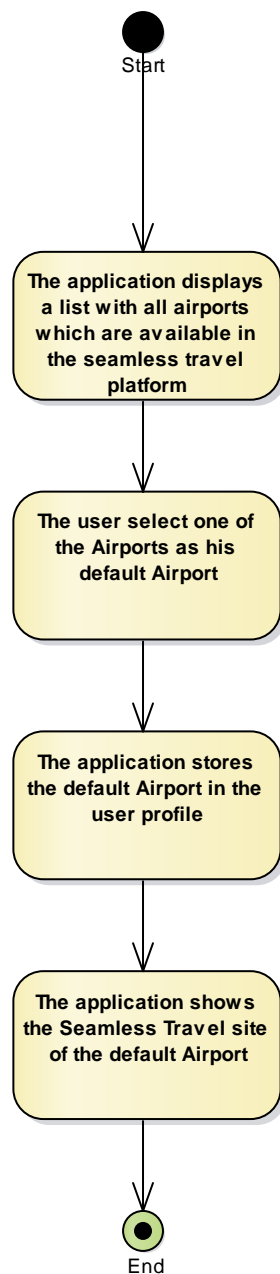
The application displays a list with all airports which are available in the seamless travel platform
Activity owned by 'Select Default Airport_ActivityGraph', in package 'Account'

The application displays a list with all airports which are available in the seamless travel platform
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application shows the Seamless Travel site of the default Airport
Activity owned by 'Select Default Airport_ActivityGraph', in package 'Account'

The application shows the Seamless Travel site of the default Airport
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application stores the default Airport in the user profile
Activity owned by 'Select Default Airport_ActivityGraph', in package 'Account'

The application stores the default Airport in the user profile
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user select one of the Airports as his default Airport
Activity owned by 'Select Default Airport_ActivityGraph', in package 'Account'

The user select one of the Airports as his default Airport
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End
ActivityFinal owned by 'Select Default Airport_ActivityGraph', in package 'Account'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start
ActivityInitial owned by 'Select Default Airport_ActivityGraph', in package 'Account'

Start

7.2.3.11   Share User Information

UseCase in package 'Account'

Details about the user are shared

Basic Path

Share User Information:

[1] .

Share User Information_ActivityGraph
Activity owned by 'Share User Information', in package 'Account'

Share User Information_ActivityGraph diagram
Activity diagram in package 'Account'

Figure 14: Share User Information_ActivityGraph

End

ActivityFinal owned by 'Share User Information_ActivityGraph', in package 'Account'

<div align="right">

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Start

ActivityInitial owned by 'Share User Information_ActivityGraph', in package 'Account'

<div align="right">

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

7.2.3.12   Update Account

UseCase in package 'Account'

The user changes settings or profile details (e.g. email address, phone number) that are stored on the servers of the Seamless Travel Platform.

<div align="right">

Update Account
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

</div>

Basic Path

Update Account:

[1] The user wants to update it's personal preferences. [2] The application persists the user's new preferences.

Update Account_ActivityGraph

Activity owned by 'Update Account', in package 'Account'

Update Account_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Update Account_ActivityGraph diagram

Activity diagram in package 'Account'

Update Account_ActivityGraph
Version 1.0
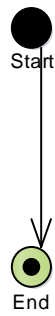Bob Logan created on 24/10/2016. Last modified 24/10/2016
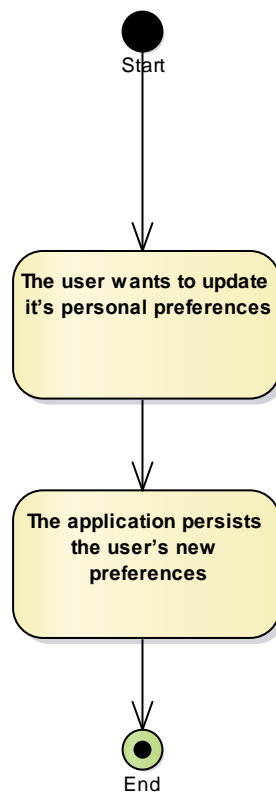
Figure 15: Update Account_ActivityGraph

The application persists the user's new preferences
Activity owned by 'Update Account_ActivityGraph', in package 'Account'

The application persists the user's new preferences
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user wants to update it's personal preferences
Activity owned by 'Update Account_ActivityGraph', in package 'Account'

The user wants to update it's personal preferences
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End
ActivityFinal owned by 'Update Account_ActivityGraph', in package 'Account'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start
ActivityInitial owned by 'Update Account_ActivityGraph', in package 'Account'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.3.13   Visa and Passport requirements (transit and arrival airport)

UseCase in package 'Account'

Provide passport and visa requirements

Visa and Passport requirements (transit and arrival airport)
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 28/10/2016

Basic Path

Visa and Passport requirements (transit and arrival airport):

[1] Governments provide visa and passport requirements for transit and destination airport. [2] End-user receives information .

Visa and Passport requirements (transit and arrival airport)_ActivityGraph
Activity owned by 'Visa and Passport requirements (transit and arrival airport)', in package 'Account'

Visa and Passport requirements (transit and arrival airport)_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Visa and Passport requirements (transit and arrival airport)_ActivityGraph diagram
Activity diagram in package 'Account'

Visa and Passport requirements (transit and arrival airport)_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016
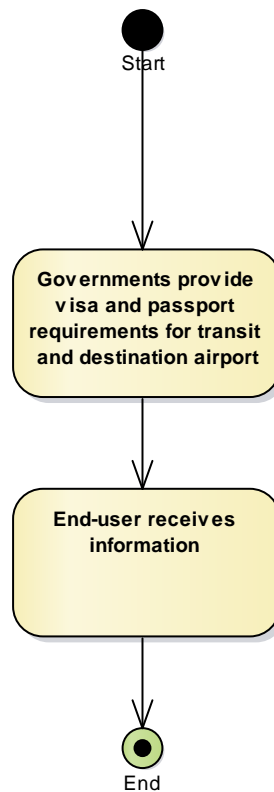
Figure 16: Visa and Passport requirements (transit and arrival airport)_ActivityGraph

End-user receives information
Activity owned by 'Visa and Passport requirements (transit and arrival airport)_ActivityGraph', in package 'Account'

End-user receives information
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Governments provide visa and passport requirements for transit and destination airport
Activity owned by 'Visa and Passport requirements (transit and arrival airport)_ActivityGraph', in package 'Account'

Governments provide visa and passport requirements for transit and destination airport
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End

ActivityFinal owned by 'Visa and Passport requirements (transit and arrival airport)_ActivityGraph', in package 'Account'

<div align="right">

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Start

ActivityInitial owned by 'Visa and Passport requirements (transit and arrival airport)_ActivityGraph', in package 'Account'

<div align="right">

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

7.2.4   Airline

Package in package 'Use Cases'

7.2.4.1 Airline diagram

Use Case diagram in package 'Airline'
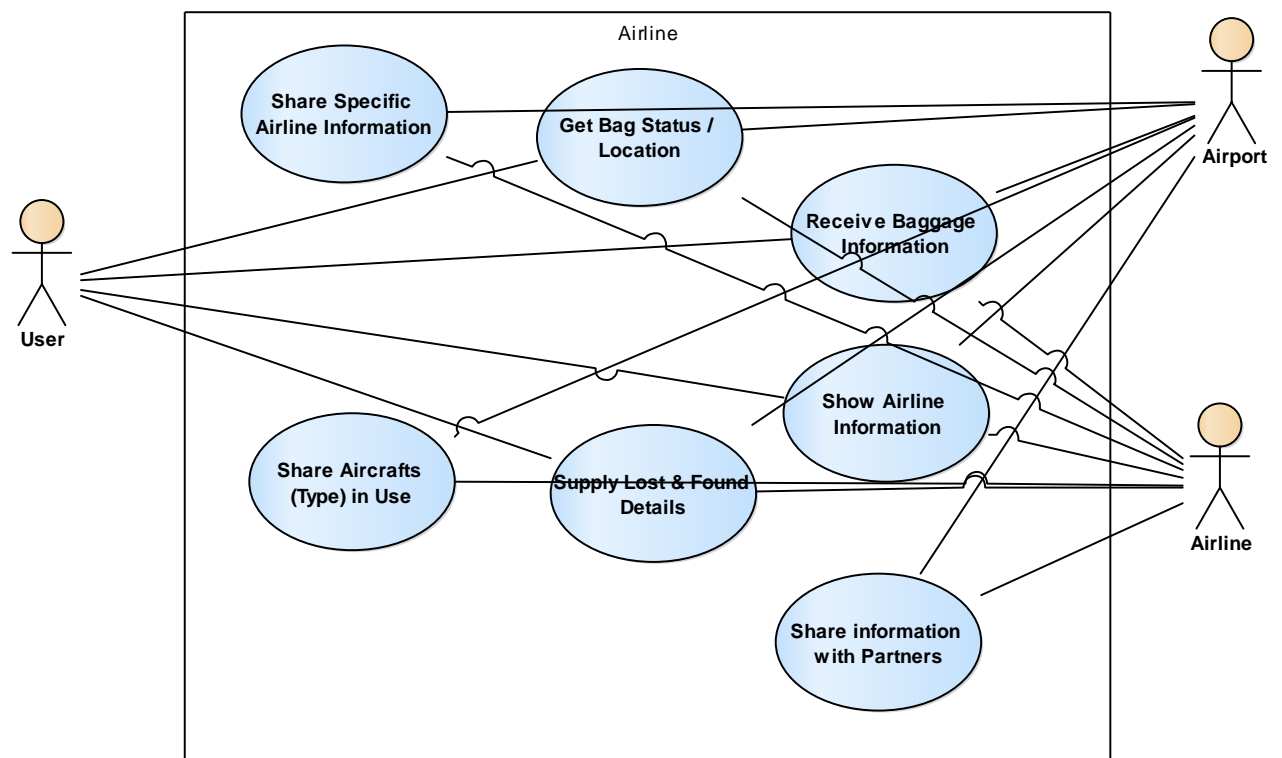
Figure 17: Airline

7.2.4.2 Get Bag Status / Location

UseCase in package 'Airline'

The user wants to know what the status and where the checked-in baggage currently is.

Get Bag Status / Location

Basic Path

Get Bag Status / Location:

[1] The user selects a flight and sees the checked in baggage. [2] The user selects a piece of baggage by tapping/clicking on it. [3] The application retrieves status/location information for that piece and displays it.

Get Bag Status / Location_ActivityGraph
Activity owned by 'Get Bag Status / Location', in package 'Airline'

Get Bag Status / Location_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Get Bag Status / Location_ActivityGraph diagram
Activity diagram in package 'Airline'

Get Bag Status / Location_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016
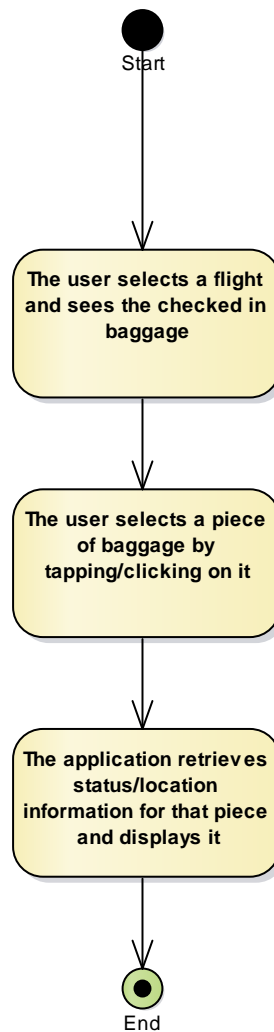
Figure 18: Get Bag Status / Location_ActivityGraph

The application retrieves status/location information for that piece and displays it
Activity owned by 'Get Bag Status / Location_ActivityGraph', in package 'Airline'

The application retrieves status/location information for that piece and displays it
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user selects a flight and sees the checked in baggage
Activity owned by 'Get Bag Status / Location_ActivityGraph', in package 'Airline'

The user selects a flight and sees the checked in baggage
Version 1.0 Phase 1.0 Proposed

The user selects a piece of baggage by tapping/clicking on it
Activity owned by 'Get Bag Status / Location_ActivityGraph', in package 'Airline'

<div align="right">

The user selects a piece of baggage by tapping/clicking on it
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

End
ActivityFinal owned by 'Get Bag Status / Location_ActivityGraph', in package 'Airline'

<div align="right">

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Start
ActivityInitial owned by 'Get Bag Status / Location_ActivityGraph', in package 'Airline'

<div align="right">

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

7.2.4.3 Receive Baggage Information

UseCase in package 'Airline'

Receive information about baggage from partner (airline, airport or ground handler).

<div align="right">

Receive Baggage Information
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

</div>

Basic Path

Receive Baggage Information:

[1] A partner requests information about a baggage status, where the piece of luggage is identified by a unique identifier. [2] The airport, airline, or ground handler replies with the current status (and possibly position).

Receive Baggage Information_ActivityGraph
Activity owned by 'Receive Baggage Information', in package 'Airline'

Receive Baggage Information_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Receive Baggage Information_ActivityGraph diagram
Activity diagram in package 'Airline'

Receive Baggage Information_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Figure 19: Receive Baggage Information_ActivityGraph

A partner requests information about a baggage status, where the piece of luggage is identified by a unique identifier.
Activity owned by 'Receive Baggage Information_ActivityGraph', in package 'Airline'

A partner requests information about a baggage status, where the piece of luggage is identified by a unique identifier.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The airport, airline, or ground handler replies with the current status (and possibly position)
Activity owned by 'Receive Baggage Information_ActivityGraph', in package 'Airline'

The airport, airline, or ground handler replies with the current status (and possibly position)
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End
ActivityFinal owned by 'Receive Baggage Information_ActivityGraph', in package 'Airline'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start
ActivityInitial owned by 'Receive Baggage Information_ActivityGraph', in package 'Airline'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.4.4 Share Aircrafts (Type) in Use

UseCase in package 'Airline'

Receive aircraft information (types, seat maps, …) from airport or airline.

<div align="right">

Share Aircrafts (Type) in Use
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

</div>

Basic Path

Share Aircrafts (Type) in Use:

[1] A partner requests information about aircraft types (either at an airport or by an airline). [2] The airport or airline replies with a list of aircraft types and their flight plan.

Share Aircrafts (Type) in Use_ActivityGraph
Activity owned by 'Share Aircrafts (Type) in Use', in package 'Airline'

<div align="right">

Share Aircrafts (Type) in Use_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Share Aircrafts (Type) in Use_ActivityGraph diagram
Activity diagram in package 'Airline'

<div align="right">

Share Aircrafts (Type) in Use_ActivityGraph
Version 1.0
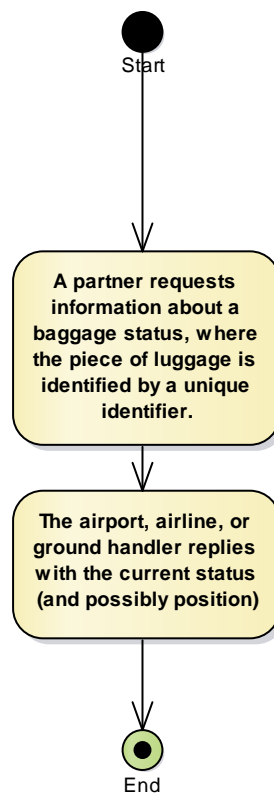Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>
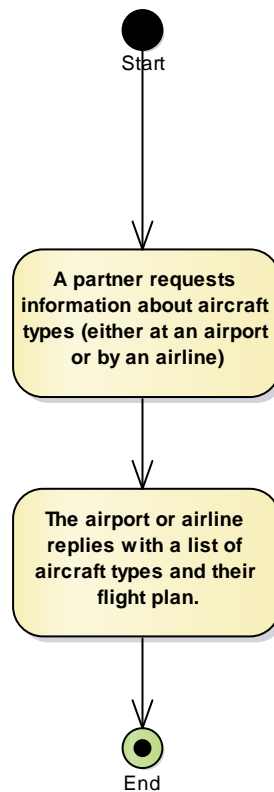
Figure 20: Share Aircrafts (Type) in Use_ActivityGraph

A partner requests information about aircraft types (either at an airport or by an airline)
Activity owned by 'Share Aircrafts (Type) in Use_ActivityGraph', in package 'Airline'

A partner requests information about aircraft types (either at an airport or by an airline)
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The airport or airline replies with a list of aircraft types and their flight plan.
Activity owned by 'Share Aircrafts (Type) in Use_ActivityGraph', in package 'Airline'

The airport or airline replies with a list of aircraft types and their flight plan.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End

ActivityFinal owned by 'Share Aircrafts (Type) in Use_ActivityGraph', in package 'Airline'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

ActivityInitial owned by 'Share Aircrafts (Type) in Use_ActivityGraph', in package 'Airline'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.4.5 Share Specific Airline Information

UseCase in package 'Airline'

Receive airlines information (e.g. services, facilities, PRM options, contact details).

Share Specific Airline Information
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

Basic Path

Share Specific Airline Information:

[1] A partner requests information about airlines at an airport. [2] The airport replies with a list of airlines and their details.

Share Specific Airline Information_ActivityGraph

Activity owned by 'Share Specific Airline Information', in package 'Airline'

Share Specific Airline Information_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Share Specific Airline Information_ActivityGraph diagram
Activity diagram in package 'Airline'

Start

A partner requests information about airlines at an airport.

The airport replies with a list of airlines and their details.

End

Figure 21: Share Specific Airline Information_ActivityGraph

A partner requests information about airlines at an airport.
Activity owned by 'Share Specific Airline Information_ActivityGraph', in package 'Airline'

The airport replies with a list of airlines and their details.
Activity owned by 'Share Specific Airline Information_ActivityGraph', in package 'Airline'

The airport replies with a list of airlines and their details.

End

ActivityFinal owned by 'Share Specific Airline Information_ActivityGraph', in package 'Airline'

Start

ActivityInitial owned by 'Share Specific Airline Information_ActivityGraph', in package 'Airline'

7.2.4.6 Share information with Partners

UseCase in package 'Airline'

The information will help forecasting FTE, manage passenger flows, take decisons and better serve the customer

Basic Path

Share information with Partners:

[1] Airport, Airlines and Partners requests information. [2] The information is provided. [3] Airport, Airline and partner make use of the information to better serve the customer.

Share information with Partners_ActivityGraph
    Activity owned by 'Share information with Partners', in package 'Airline'

Share information with Partners_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Share information with Partners_ActivityGraph diagram
Activity diagram in package 'Airline'

Share information with Partners_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

Airport, Airlines and Partners requests information

The information is provided

Airport, Airline and partner make use of the information to better serve the customer

End
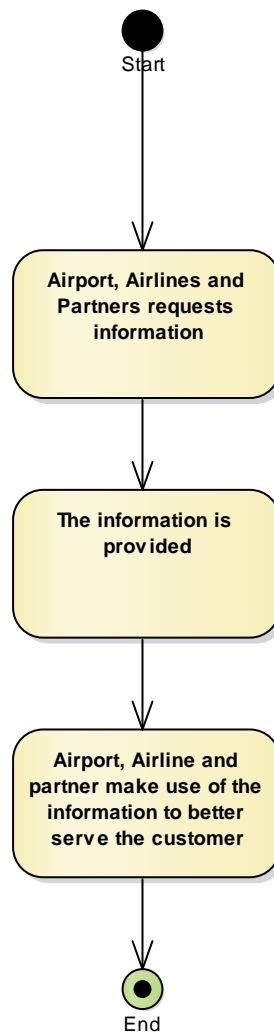
Figure 22: Share information with Partners_ActivityGraph

Airport, Airline and partner make use of the information to better serve the customer
Activity owned by 'Share information with Partners_ActivityGraph', in package 'Airline'

Airport, Airline and partner make use of the information to better serve the customer
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Airport, Airlines and Partners requests information
Activity owned by 'Share information with Partners_ActivityGraph', in package 'Airline'

Airport, Airlines and Partners requests information
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The information is provided
Activity owned by 'Share information with Partners_ActivityGraph', in package 'Airline'

The information is provided
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End
ActivityFinal owned by 'Share information with Partners_ActivityGraph', in package 'Airline'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start
ActivityInitial owned by 'Share information with Partners_ActivityGraph', in package 'Airline'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.4.7 Show Airline Information

UseCase in package 'Airline'

Display Airline information like service phone number.

Basic Path

Show Airline Information:

[1] The user selects the airport's airline overview. [2] The application selects all airlines having scheduled flight to or from the selected airport. [3] The application displays the airlines alphabetical ordered as result list. [4] The user selects an airline from the list. [5] The application selects all airline-details from the database. (The system has to merge the local airline-info for the airport and the global airline-info for all airports. E.g. If there is a local Information Phone-number but no local email of the airline, the system hides the global phone-number and shows the local phone-number but still shows the global e-mail). [6] The application displays a screen with all airline information.

Alternate Paths

Alternative Path:

(at [1])

If the user hasn't selected a default or current airport, the first step is that the application asks the user which Airport should be used..

Show Airline Information_ActivityGraph
Activity owned by 'Show Airline Information', in package 'Airline'

Show Airline Information_ActivityGraph diagram
Activity diagram in package 'Airline'

Start

Alternate1

[Alternative Path]

The user selects the airport's airline overview

If the user hasn't selected a default or current airport, the first step is that the application asks the user which Airport should be used.

The application selects all airlines having scheduled flight to or from the selected airport

The application displays the airlines alphabetical ordered as result list

The user selects an airline from the list

The application selects all airline-details from the database. (The system has to merge the local airline-info for the airport and the global airline-info for all airports. E.g. If there is a local Information Phone

The application displays a screen with all airline information.

End
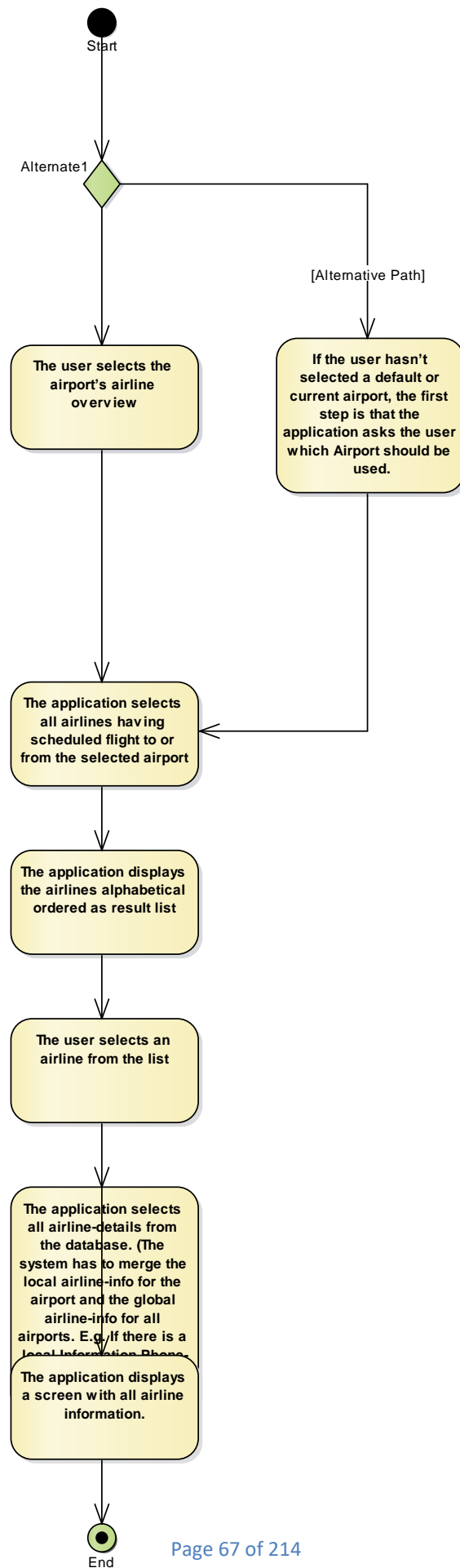
If the user hasn't selected a default or current airport, the first step is that the application asks the user which Airport should be used.
Activity owned by 'Show Airline Information_ActivityGraph', in package 'Airline'

If the user hasn't selected a default or current airport, the first step is that the application asks the user which Airport should be used.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application displays a screen with all airline information.
Activity owned by 'Show Airline Information_ActivityGraph', in package 'Airline'

The application displays a screen with all airline information.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application displays the airlines alphabetical ordered as result list
Activity owned by 'Show Airline Information_ActivityGraph', in package 'Airline'

The application displays the airlines alphabetical ordered as result list
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application selects all airline-details from the database. (The system has to merge the local airline-info for the airport and the global airline-info for all airports. E.g. If there is a local Information Phone-number but no local email of the airlin
Activity owned by 'Show Airline Information_ActivityGraph', in package 'Airline'

The application selects all airline-details from the database. (The system has to merge the local airline-info for the airport and the global airline-info for all airports. E.g. If there is a local Information Phone-number but no local email of the airlin
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application selects all airlines having scheduled flight to or from the selected airport
Activity owned by 'Show Airline Information_ActivityGraph', in package 'Airline'

The application selects all airlines having scheduled flight to or from the selected airport
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user selects an airline from the list
Activity owned by 'Show Airline Information_ActivityGraph', in package 'Airline'

The user selects an airline from the list
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user selects the airport's airline overview
Activity owned by 'Show Airline Information_ActivityGraph', in package 'Airline'

The user selects the airport's airline overview
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Alternate1
DecisionNode owned by 'Show Airline Information_ActivityGraph', in package 'Airline'

Alternate1
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End
ActivityFinal owned by 'Show Airline Information_ActivityGraph', in package 'Airline'

Start

ActivityInitial owned by 'Show Airline Information_ActivityGraph', in package 'Airline'

7.2.4.8 Supply Lost & Found Details

UseCase in package 'Airline'

The user wants to let the airport/airline/ground handler know details about the lost baggage and how to handle it further (e.g. delivery address)

Basic Path

Supply Lost & Found Details:

[1] The application notifies that user's baggage did not arrive as expected. [2] The application asks the user if he wants to fill the form electronically instead of seeing an agent at the lost and found counter. [3] The user accepts the suggestion. [4] The application shows a form with input fields. [5] The user enters (at least all mandatory) input fields and presses ""submit"". [6] The application saves the fields and transmits them to a partner.

Supply Lost & Found Details_ActivityGraph

Activity owned by 'Supply Lost & Found Details', in package 'Airline'

Supply Lost & Found Details_ActivityGraph diagram
Activity diagram in package 'Airline'

Supply Lost & Found Details_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

The application notifies that user's baggage did not arrive as expected

The application asks the user if he wants to fill the form electronically instead of seeing an agent at the lost and found counter.

The user accepts the suggestion.

The application shows a form with input fields.

The user enters (at least all mandatory) input fields and presses ""submit"".

The application saves the fields and transmits them to a partner.

End
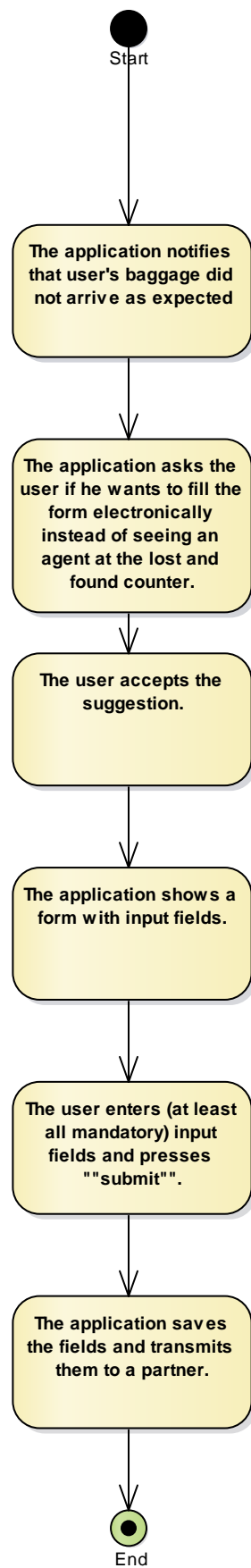
Figure 24: Supply Lost & Found Details_ActivityGraph

The application asks the user if he wants to fill the form electronically instead of seeing an agent at the lost and found counter.

Activity owned by 'Supply Lost & Found Details_ActivityGraph', in package 'Airline'

The application asks the user if he wants to fill the form electronically instead of seeing an agent at the lost and found counter.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application notifies that user's baggage did not arrive as expected
Activity owned by 'Supply Lost & Found Details_ActivityGraph', in package 'Airline'

The application notifies that user's baggage did not arrive as expected
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application saves the fields and transmits them to a partner.
Activity owned by 'Supply Lost & Found Details_ActivityGraph', in package 'Airline'

The application saves the fields and transmits them to a partner.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application shows a form with input fields.
Activity owned by 'Supply Lost & Found Details_ActivityGraph', in package 'Airline'

The application shows a form with input fields.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user accepts the suggestion.
Activity owned by 'Supply Lost & Found Details_ActivityGraph', in package 'Airline'

The user accepts the suggestion.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user enters (at least all mandatory) input fields and presses ""submit"".
Activity owned by 'Supply Lost & Found Details_ActivityGraph', in package 'Airline'

The user enters (at least all mandatory) input fields and presses ""submit"".
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End
ActivityFinal owned by 'Supply Lost & Found Details_ActivityGraph', in package 'Airline'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start
ActivityInitial owned by 'Supply Lost & Found Details_ActivityGraph', in package 'Airline'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Package in package 'Use Cases'

7.2.5.1 Airport diagram

Use Case diagram in package 'Airport'

Figure 25: Airport

7.2.5.2 Overview Airport Services

UseCase in package 'Airport'

The application shows list with all services provided via the app or web site he uses. The list includes all services from the airport and local or external service providers (could also be another airport)

Basic Path

Overview Airport Services:

[1] The user presses the "Show services" Button. [2] The application selects all available services from the database. [3] The application displays a list with services by categories (restaurant, shop).

Alternate Paths

Alternative Path:

(at [1])

If the user hasn't selected a default or current airport, the first step is that the application asks the user which Airport should be used..

Overview Airport Services_ActivityGraph
Activity owned by 'Overview Airport Services', in package 'Airport'

Overview Airport Services_ActivityGraph diagram
Activity diagram in package 'Airport'

Start

Alternate1

[Alternative Path]

The user presses the "Show services" Button

If the user hasn't selected a default or current airport, the first step is that the application asks the user which Airport should be used.

The application selects all available services from the database

The application displays a list with services by categories (restaurant, shop)

End
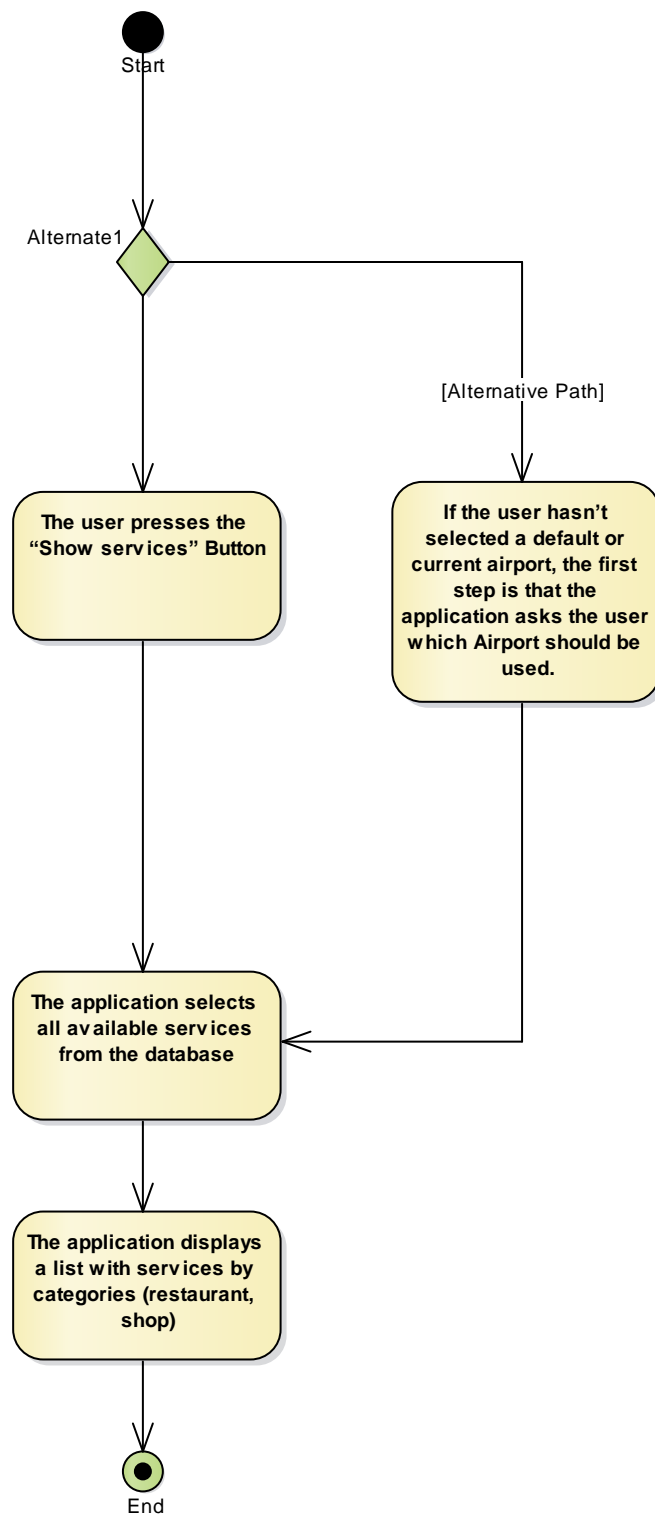
Figure 26: Overview Airport Services_ActivityGraph

If the user hasn't selected a default or current airport, the first step is that the application asks the user which Airport should be used.

Activity owned by 'Overview Airport Services_ActivityGraph', in package 'Airport'

If the user hasn't selected a default or current airport, the first step is that the application asks the user which Airport should be used.

Version 1.0 Phase 1.0 Proposed

Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application displays a list with services by categories (restaurant, shop)

Activity owned by 'Overview Airport Services_ActivityGraph', in package 'Airport'

The application displays a list with services by categories (restaurant, shop)

Version 1.0 Phase 1.0 Proposed

Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application selects all available services from the database

Activity owned by 'Overview Airport Services_ActivityGraph', in package 'Airport'

The application selects all available services from the database

Version 1.0 Phase 1.0 Proposed

Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user presses the "Show services" Button

Activity owned by 'Overview Airport Services_ActivityGraph', in package 'Airport'

The user presses the "Show services" Button

Version 1.0 Phase 1.0 Proposed

Bob Logan created on 24/10/2016. Last modified 24/10/2016

Alternate1

DecisionNode owned by 'Overview Airport Services_ActivityGraph', in package 'Airport'

Alternate1

Version 1.0 Phase 1.0 Proposed

End

ActivityFinal owned by 'Overview Airport Services_ActivityGraph', in package 'Airport'

<div align="right">

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Start

ActivityInitial owned by 'Overview Airport Services_ActivityGraph', in package 'Airport'

<div align="right">

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

7.2.5.3 Pax Info - Availability of automated border control (arrival airport)

UseCase in package 'Airport'

receive informoatin about availability of automated border control (arrival airport)

<div align="right">

Pax Info - Availability of automated border control (arrival airport)
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 28/10/2016

</div>

Basic Path

Pax Info - Availability of automated border control (arrival airport):

[1] A partner requests information about automated border control. [2] The partner provides the information on availability and eligibility. [3] End user receives information.

Pax Info - Availability of automated border control (arrival airport)_ActivityGraph
Activity owned by 'Pax Info - Availability of automated border control (arrival airport)', in package 'Airport'

Pax Info - Availability of automated border control (arrival airport)_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Pax Info - Availability of automated border control (arrival airport)_ActivityGraph diagram
Activity diagram in package 'Airport'

Pax Info - Availability of automated border control (arrival airport)_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

A partner requests
information about
automated border control

The partner provides the
information on
availability and eligibility

End user receives
information

End

Figure 27: Pax Info - Availability of automated border control (arrival airport)_ActivityGraph

A partner requests information about automated border control

Activity owned by 'Pax Info - Availability of automated border control (arrival airport)_ActivityGraph', in package 'Airport'

> A partner requests information about automated border control
> Version 1.0 Phase 1.0 Proposed
> Bob Logan created on 24/10/2016. Last modified 24/10/2016

End user receives information

Activity owned by 'Pax Info - Availability of automated border control (arrival airport)_ActivityGraph', in package 'Airport'

> End user receives information
> Version 1.0 Phase 1.0 Proposed
> Bob Logan created on 24/10/2016. Last modified 24/10/2016

The partner provides the information on availability and eligibility

Activity owned by 'Pax Info - Availability of automated border control (arrival airport)_ActivityGraph', in package 'Airport'

> The partner provides the information on availability and eligibility
> Version 1.0 Phase 1.0 Proposed
> Bob Logan created on 24/10/2016. Last modified 24/10/2016

End

ActivityFinal owned by 'Pax Info - Availability of automated border control (arrival airport)_ActivityGraph', in package 'Airport'

> End
> Version 1.0 Phase 1.0 Proposed
> Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

ActivityInitial owned by 'Pax Info - Availability of automated border control (arrival airport)_ActivityGraph', in package 'Airport'

7.2.5.4 Pax Info - Availability of automated border control (departure airport)

UseCase in package 'Airport'

receive informoatin about availability of automated border control (departure airport)

Pax Info - Availability of automated border control (departure airport)
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 28/10/2016

Basic Path

Pax Info - Availability of automated border control (departure airport):

[1] A partner requests information about automated border control. [2] The partner provides the information on availability and eligibility. [3] End user receives information.

Pax Info - Availability of automated border control (departure airport)_ActivityGraph
Activity owned by 'Pax Info - Availability of automated border control (departure airport)', in package 'Airport'

Pax Info - Availability of automated border control (departure airport)_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Pax Info - Availability of automated border control (departure airport)_ActivityGraph diagram
Activity diagram in package 'Airport'

Pax Info - Availability of automated border control (departure airport)_ActivityGraph
Version 1.0
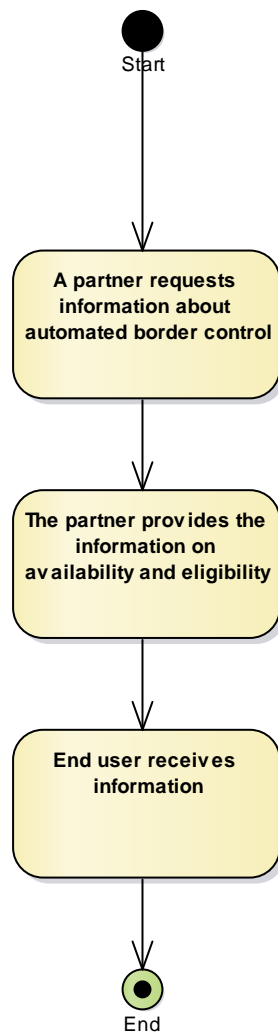Bob Logan created on 24/10/2016. Last modified 24/10/2016

Figure 28: Pax Info - Availability of automated border control (departure airport)_ActivityGraph

A partner requests information about automated border control

Activity owned by 'Pax Info - Availability of automated border control (departure airport)_ActivityGraph', in package 'Airport'

A partner requests information about automated border control
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End user receives information

Activity owned by 'Pax Info - Availability of automated border control (departure airport)_ActivityGraph', in package 'Airport'

The partner provides the information on availability and eligibility

Activity owned by 'Pax Info - Availability of automated border control (departure airport)_ActivityGraph', in package 'Airport'

The partner provides the information on availability and eligibility
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End

ActivityFinal owned by 'Pax Info - Availability of automated border control (departure airport)_ActivityGraph', in package 'Airport'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

ActivityInitial owned by 'Pax Info - Availability of automated border control (departure airport)_ActivityGraph', in package 'Airport'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.5.5 Pax Info - Availability of automated border control (transit airport)

UseCase in package 'Airport'

receive informoatin about availability of automated border control (transit airport)

Pax Info - Availability of automated border control (transit airport)

Basic Path

Pax Info - Availability of automated border control (transit airport):

[1] A partner requests information about automated border control. [2] The partner provides the information on availability and eligibility. [3] End user receives information.

Pax Info - Availability of automated border control (transit airport)_ActivityGraph
Activity owned by 'Pax Info - Availability of automated border control (transit airport)', in package 'Airport'

Pax Info - Availability of automated border control (transit airport)_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Pax Info - Availability of automated border control (transit airport)_ActivityGraph diagram
Activity diagram in package 'Airport'

Pax Info - Availability of automated border control (transit airport)_ActivityGraph
Version 1.0
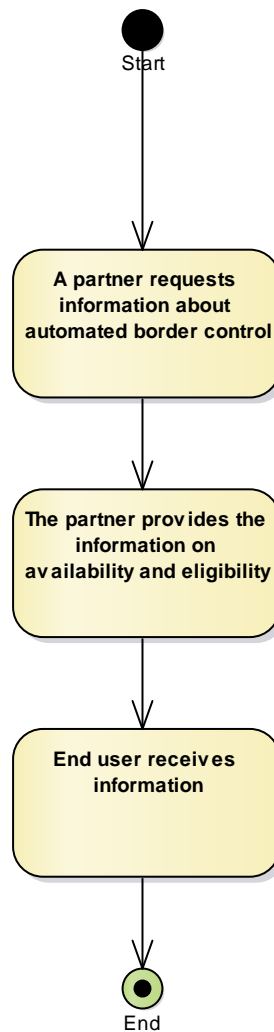Bob Logan created on 24/10/2016. Last modified 24/10/2016
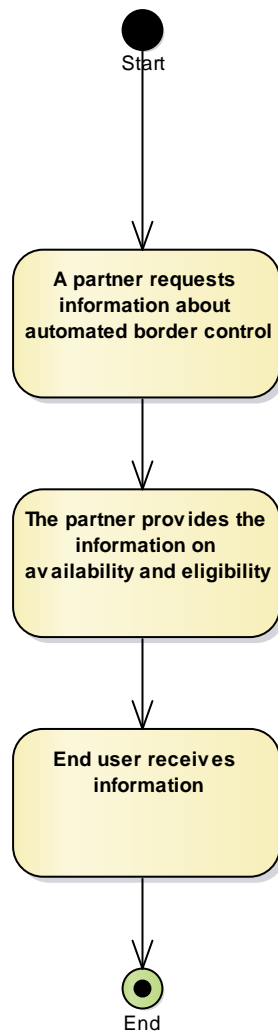
Figure 29: Pax Info - Availability of automated border control (transit airport)_ActivityGraph

A partner requests information about automated border control

Activity owned by 'Pax Info - Availability of automated border control (transit airport)_ActivityGraph', in package 'Airport'

A partner requests information about automated border control
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End user receives information

Activity owned by 'Pax Info - Availability of automated border control (transit airport)_ActivityGraph', in package 'Airport'

The partner provides the information on availability and eligibility

Activity owned by 'Pax Info - Availability of automated border control (transit airport)_ActivityGraph', in package 'Airport'

The partner provides the information on availability and eligibility
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End

ActivityFinal owned by 'Pax Info - Availability of automated border control (transit airport)_ActivityGraph', in package 'Airport'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

ActivityInitial owned by 'Pax Info - Availability of automated border control (transit airport)_ActivityGraph', in package 'Airport'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.5.6 Pax Info - Availability of security fast track

UseCase in package 'Airport'

receive information about availability of security fast track

Pax Info - Availability of security fast track

Basic Path

Pax Info - Availability of security fast track:

[1] A partner requests information about security fast track. [2] The airport provides the information. [3] End user may use (if intitled) or book the security fast track .

Pax Info - Availability of security fast track_ActivityGraph
Activity owned by 'Pax Info - Availability of security fast track', in package 'Airport'

Pax Info - Availability of security fast track_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Pax Info - Availability of security fast track_ActivityGraph diagram
Activity diagram in package 'Airport'

Pax Info - Availability of security fast track_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Figure 30: Pax Info - Availability of security fast track_ActivityGraph

A partner requests information about security fast track
Activity owned by 'Pax Info - Availability of security fast track_ActivityGraph', in package 'Airport'

A partner requests information about security fast track
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End user may use (if intitled) or book the security fast track
Activity owned by 'Pax Info - Availability of security fast track_ActivityGraph', in package 'Airport'

End user may use (if intitled) or book the security fast track
Version 1.0 Phase 1.0 Proposed

The airport provides the information

Activity owned by 'Pax Info - Availability of security fast track_ActivityGraph', in package 'Airport'

<div align="right">

The airport provides the information
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

End

ActivityFinal owned by 'Pax Info - Availability of security fast track_ActivityGraph', in package 'Airport'

<div align="right">

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Start

ActivityInitial owned by 'Pax Info - Availability of security fast track_ActivityGraph', in package 'Airport'

<div align="right">

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

7.2.5.7 Pax Info - Baggage tag and drop options to passenger

UseCase in package 'Airport'

Passenger receives information about home printed bag tags option; self-tagging option; curb-side or other off-airport bag drop options

<div align="right">

Pax Info - Baggage tag and drop options to passenger
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 28/10/2016

</div>

Basic Path

Pax Info - Baggage tag and drop options to passenger:

[1] Airline and airport provide information about baggage options. [2] End-user receives information.

Pax Info - Baggage tag and drop options to passenger_ActivityGraph
Activity owned by 'Pax Info - Baggage tag and drop options to passenger', in package 'Airport'

Pax Info - Baggage tag and drop options to passenger_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Pax Info - Baggage tag and drop options to passenger_ActivityGraph diagram
Activity diagram in package 'Airport'

Pax Info - Baggage tag and drop options to passenger_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016
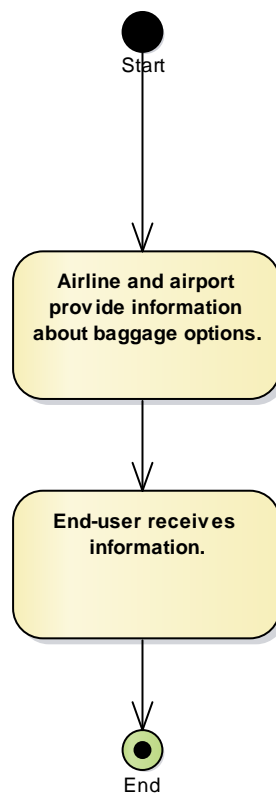
Airline and airport provide information about baggage options.
Activity owned by 'Pax Info - Baggage tag and drop options to passenger_ActivityGraph', in package 'Airport'

Airline and airport provide information about baggage options.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End-user receives information.
Activity owned by 'Pax Info - Baggage tag and drop options to passenger_ActivityGraph', in package 'Airport'

End-user receives information.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End
ActivityFinal owned by 'Pax Info - Baggage tag and drop options to passenger_ActivityGraph', in package 'Airport'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start
ActivityInitial owned by 'Pax Info - Baggage tag and drop options to passenger_ActivityGraph', in package 'Airport'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.5.8 Pax Info - Gate information

UseCase in package 'Airport'

receive information on Gate nunber

Pax Info - Gate information
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 28/10/2016

Basic Path

Pax Info - Gate information:

[1] A partner requests information about the gate number. [2] The airline provides the information. [3] End user receives information.

Pax Info - Gate information_ActivityGraph
    Activity owned by 'Pax Info - Gate information', in package 'Airport'

Pax Info - Gate information_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Pax Info - Gate information_ActivityGraph diagram
Activity diagram in package 'Airport'

Pax Info - Gate information_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016

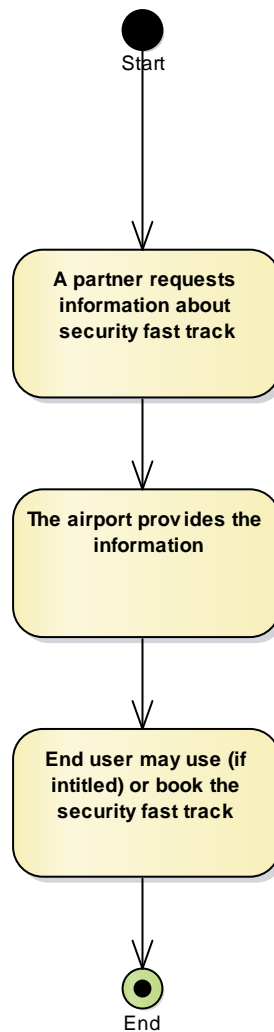Figure 32: Pax Info - Gate information_ActivityGraph

A partner requests information about the gate number
Activity owned by 'Pax Info - Gate information_ActivityGraph', in package 'Airport'

A partner requests information about the gate number
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End user receives information
Activity owned by 'Pax Info - Gate information_ActivityGraph', in package 'Airport'

End user receives information
Version 1.0 Phase 1.0 Proposed

The airline provides the information

Activity owned by 'Pax Info - Gate information_ActivityGraph', in package 'Airport'

The airline provides the information
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End

ActivityFinal owned by 'Pax Info - Gate information_ActivityGraph', in package 'Airport'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

ActivityInitial owned by 'Pax Info - Gate information_ActivityGraph', in package 'Airport'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.5.9 Pax Info - Security screening regulations

UseCase in package 'Airport'

receive information on security screening regulations

Pax Info - Security screening regulations
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 28/10/2016

Basic Path

Pax Info - Security screening regulations:

[1] A partner requests information about security and screening regulations. [2] The screening authority provides the information. [3] End user receives information.

Pax Info - Security screening regulations_ActivityGraph

Activity owned by 'Pax Info - Security screening regulations', in package 'Airport'

Pax Info - Security screening regulations_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Pax Info - Security screening regulations_ActivityGraph diagram
Activity diagram in package 'Airport'

Pax Info - Security screening regulations_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016
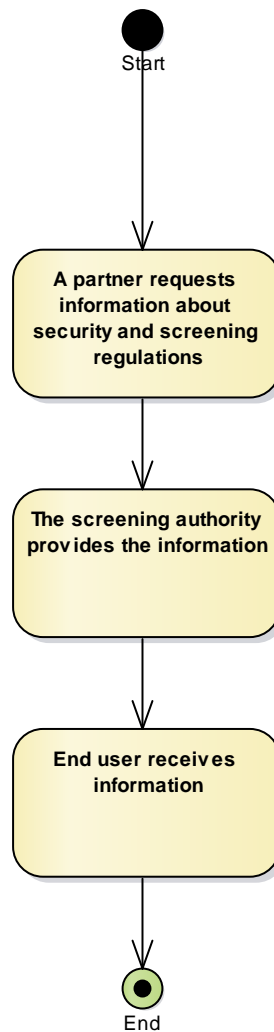
Figure 33: Pax Info - Security screening regulations_ActivityGraph

A partner requests information about security and screening regulations
Activity owned by 'Pax Info - Security screening regulations_ActivityGraph', in package 'Airport'

A partner requests information about security and screening regulations
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End user receives information
Activity owned by 'Pax Info - Security screening regulations_ActivityGraph', in package 'Airport'

End user receives information
Version 1.0 Phase 1.0 Proposed

The screening authority provides the information

Activity owned by 'Pax Info - Security screening regulations_ActivityGraph', in package 'Airport'

The screening authority provides the information
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End

ActivityFinal owned by 'Pax Info - Security screening regulations_ActivityGraph', in package 'Airport'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

ActivityInitial owned by 'Pax Info - Security screening regulations_ActivityGraph', in package 'Airport'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.5.10   Pax Info - Security waiting times

UseCase in package 'Airport'

Fetch airport information on security waiting times

Pax Info - Security waiting times
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 28/10/2016

Basic Path

Pax Info - Security waiting times:

[1] A partner requests information about security waiting times information. [2] The information is provided by the airport. [3] End-user will be offered an option to buy security fast track (if not yet included).

Pax Info - Security waiting times_ActivityGraph

Activity owned by 'Pax Info - Security waiting times', in package 'Airport'

Pax Info - Security waiting times_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Pax Info - Security waiting times_ActivityGraph diagram

Activity diagram in package 'Airport'

Pax Info - Security waiting times_ActivityGraph
Version 1.0
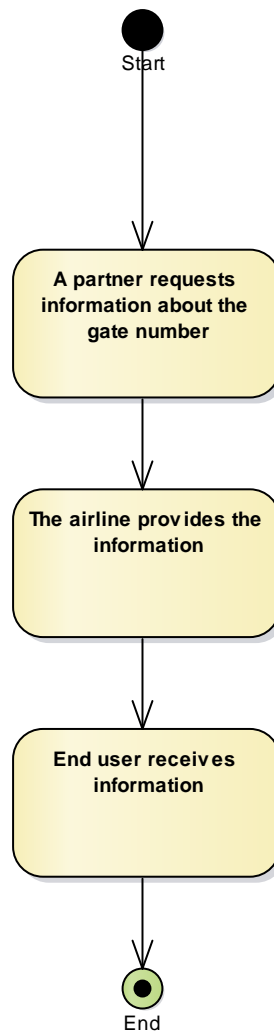Bob Logan created on 24/10/2016. Last modified 24/10/2016
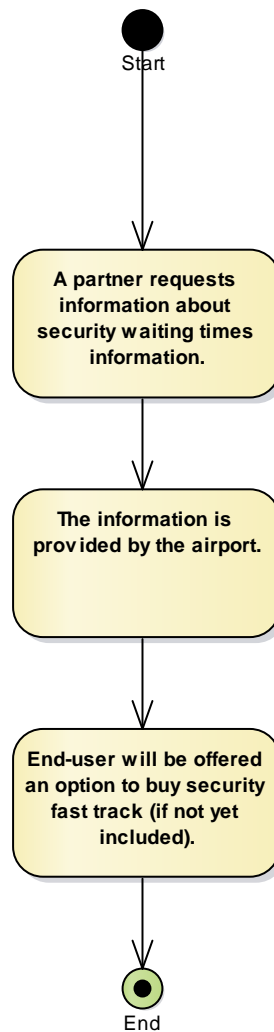
Figure 34: Pax Info - Security waiting times_ActivityGraph

A partner requests information about security waiting times information.
Activity owned by 'Pax Info - Security waiting times_ActivityGraph', in package 'Airport'

A partner requests information about security waiting times information.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End-user will be offered an option to buy security fast track (if not yet included).
Activity owned by 'Pax Info - Security waiting times_ActivityGraph', in package 'Airport'

End-user will be offered an option to buy security fast track (if not yet included).
Version 1.0 Phase 1.0 Proposed

The information is provided by the airport.

Activity owned by 'Pax Info - Security waiting times_ActivityGraph', in package 'Airport'

<div align="right">

The information is provided by the airport.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

End

ActivityFinal owned by 'Pax Info - Security waiting times_ActivityGraph', in package 'Airport'

<div align="right">

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Start

ActivityInitial owned by 'Pax Info - Security waiting times_ActivityGraph', in package 'Airport'

<div align="right">

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

7.2.5.11 Search Airport Services

UseCase in package 'Airport'

The user wants to search for a specific service. To make it easy to find a service the user can search via a single search field.

<div align="right">

Search Airport Services
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

</div>

Basic Path

Search Airport Services:

[1] The user opens the service overview. [2] The application shows a search bar. [3] The user types a search string into the search bar and presses enter. [4] The system searches for all services fitting to the search request. [5] The application displays the matching services as list ordered by relevance.

Alternate Paths

Alternative Path:

(at [1])

If the user hasn't selected a default or current airport, the first step is that the application asks the user which Airport should be used..

Search Airport Services_ActivityGraph
Activity owned by 'Search Airport Services', in package 'Airport'

Search Airport Services_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Search Airport Services_ActivityGraph diagram
Activity diagram in package 'Airport'

Search Airport Services_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

Alternate1

The user opens the service overview

[Alternative Path]

If the user hasn't selected a default or current airport, the first step is that the application asks the user which Airport should be used.

The application shows a search bar

The user types a search string into the search bar and presses enter

The system searches for all services fitting to the search request

The application displays the matching services as list ordered by relevance

End

If the user hasn't selected a default or current airport, the first step is that the application asks the user which Airport should be used.

Activity owned by 'Search Airport Services_ActivityGraph', in package 'Airport'

If the user hasn't selected a default or current airport, the first step is that the application asks the user which Airport should be used.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application displays the matching services as list ordered by relevance

Activity owned by 'Search Airport Services_ActivityGraph', in package 'Airport'

The application displays the matching services as list ordered by relevance
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application shows a search bar

Activity owned by 'Search Airport Services_ActivityGraph', in package 'Airport'

The application shows a search bar
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The system searches for all services fitting to the search request

Activity owned by 'Search Airport Services_ActivityGraph', in package 'Airport'

The system searches for all services fitting to the search request
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user opens the service overview
Activity owned by 'Search Airport Services_ActivityGraph', in package 'Airport'

<div align="right">

The user opens the service overview
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

The user types a search string into the search bar and presses enter
Activity owned by 'Search Airport Services_ActivityGraph', in package 'Airport'

<div align="right">

The user types a search string into the search bar and presses enter
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Alternate1
DecisionNode owned by 'Search Airport Services_ActivityGraph', in package 'Airport'

<div align="right">

Alternate1
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

End
ActivityFinal owned by 'Search Airport Services_ActivityGraph', in package 'Airport'

<div align="right">

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Start
ActivityInitial owned by 'Search Airport Services_ActivityGraph', in package 'Airport'

<div align="right">

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

7.2.5.12   Share Airport-specific Information

UseCase in package 'Airport'

Fetch airport-specific information, e.g. facilities, maps, terminal processes, current events/issues, travel options to/from airport, services provided in/near/by airport, PRM options, local weather, contacts.

> Share Airport-specific Information
> Version 1.0 Phase 1.0 Proposed
> Raymond created on 04/08/2015. Last modified 19/11/2015

Basic Path

Share Airport-specific Information:

[1] A partner requests information about airport-specific information. [2] The information is provided by the airport.

Share Airport-specific Information_ActivityGraph
Activity owned by 'Share Airport-specific Information', in package 'Airport'

> Share Airport-specific Information_ActivityGraph
> Version 1.0 Phase 1.0 Proposed
> Bob Logan created on 24/10/2016. Last modified 24/10/2016

Share Airport-specific Information_ActivityGraph diagram
Activity diagram in package 'Airport'

> Share Airport-specific Information_ActivityGraph
> Version 1.0
> Bob Logan created on 24/10/2016. Last modified 24/10/2016
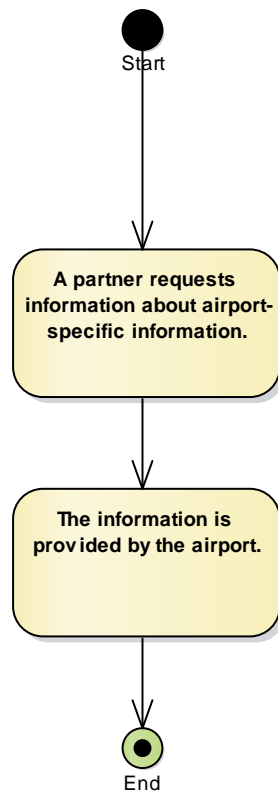
Figure 36: Share Airport-specific Information_ActivityGraph

A partner requests information about airport-specific information.
Activity owned by 'Share Airport-specific Information_ActivityGraph', in package 'Airport'

A partner requests information about airport-specific information.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The information is provided by the airport.
Activity owned by 'Share Airport-specific Information_ActivityGraph', in package 'Airport'

The information is provided by the airport.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End

ActivityFinal owned by 'Share Airport-specific Information_ActivityGraph', in package 'Airport'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

ActivityInitial owned by 'Share Airport-specific Information_ActivityGraph', in package 'Airport'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.5.13   Share Weather Information

UseCase in package 'Airport'

Receive current weather and forecast for current or other location from trusted provider

Share Weather Information
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

Basic Path

Share Weather Information:

[1] An user or partner requests information about the weather. [2] The information is provided by the weather information service provider.

Share Weather Information_ActivityGraph

Activity owned by 'Share Weather Information', in package 'Airport'

Share Weather Information_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Share Weather Information_ActivityGraph diagram
Activity diagram in package 'Airport'

Share Weather Information_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016
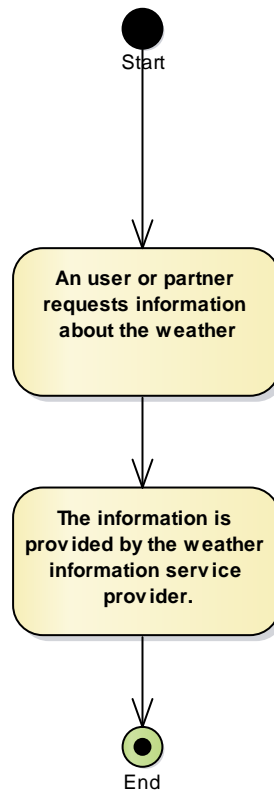
Figure 37: Share Weather Information_ActivityGraph

An user or partner requests information about the weather
Activity owned by 'Share Weather Information_ActivityGraph', in package 'Airport'

An user or partner requests information about the weather
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The information is provided by the weather information service provider.
Activity owned by 'Share Weather Information_ActivityGraph', in package 'Airport'

The information is provided by the weather information service provider.

End

ActivityFinal owned by 'Share Weather Information_ActivityGraph', in package 'Airport'

Start

ActivityInitial owned by 'Share Weather Information_ActivityGraph', in package 'Airport'

7.2.5.14   Show Airport-Information

UseCase in package 'Airport'

Display Airport information like location of service desk or service phone number.

Basic Path

Show Airport-Information:

[1] The user presses the "Show Airport Information" button. [2] The application selects all Airport information from the database. [3] The Application displays Airport information -> ADD LOWER LEVEL (SUB) USE CASES (e.g. static / dynamic content).

Alternate Paths

Alternative Path:

(at [1])

If the user hasn't selected a home airport, the first step is that the application asks the user which Airport should be used..

Show Airport-Information_ActivityGraph
Activity owned by 'Show Airport-Information', in package 'Airport'

Show Airport-Information_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Show Airport-Information_ActivityGraph diagram
Activity diagram in package 'Airport'

Show Airport-Information_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

Alternate1

[Alternative Path]

The user presses the "Show Airport Information" button

If the user hasn't selected a home airport, the first step is that the application asks the user which Airport should be used.

The application selects all Airport information from the database

The Application displays Airport information -> ADD LOWER LEVEL (SUB) USE CASES (e.g. static / dynamic content)

End
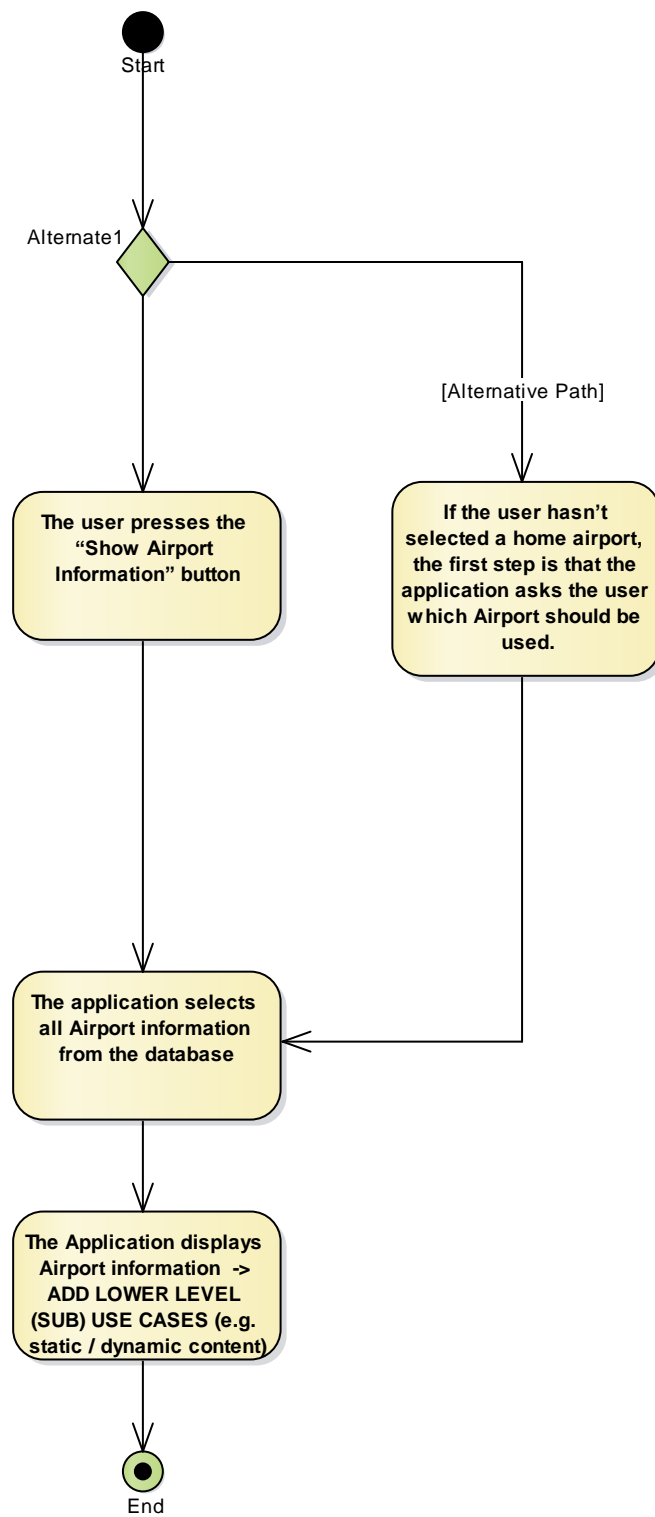
Figure 38: Show Airport-Information_ActivityGraph

If the user hasn't selected a home airport, the first step is that the application asks the user which Airport should be used.
Activity owned by 'Show Airport-Information_ActivityGraph', in package 'Airport'

If the user hasn't selected a home airport, the first step is that the application asks the user which Airport should be used.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The Application displays Airport information -> ADD LOWER LEVEL (SUB) USE CASES (e.g. static / dynamic content)
Activity owned by 'Show Airport-Information_ActivityGraph', in package 'Airport'

The Application displays Airport information -> ADD LOWER LEVEL (SUB) USE CASES (e.g. static / dynamic content)
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application selects all Airport information from the database
Activity owned by 'Show Airport-Information_ActivityGraph', in package 'Airport'

The application selects all Airport information from the database
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user presses the "Show Airport Information" button
Activity owned by 'Show Airport-Information_ActivityGraph', in package 'Airport'

The user presses the "Show Airport Information" button
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Alternate1
DecisionNode owned by 'Show Airport-Information_ActivityGraph', in package 'Airport'

End

ActivityFinal owned by 'Show Airport-Information_ActivityGraph', in package 'Airport'

Start

ActivityInitial owned by 'Show Airport-Information_ActivityGraph', in package 'Airport'

7.2.6　　　Flight
Package in package 'Use Cases'

7.2.6.1 Flight diagram

Use Case diagram in package 'Flight'
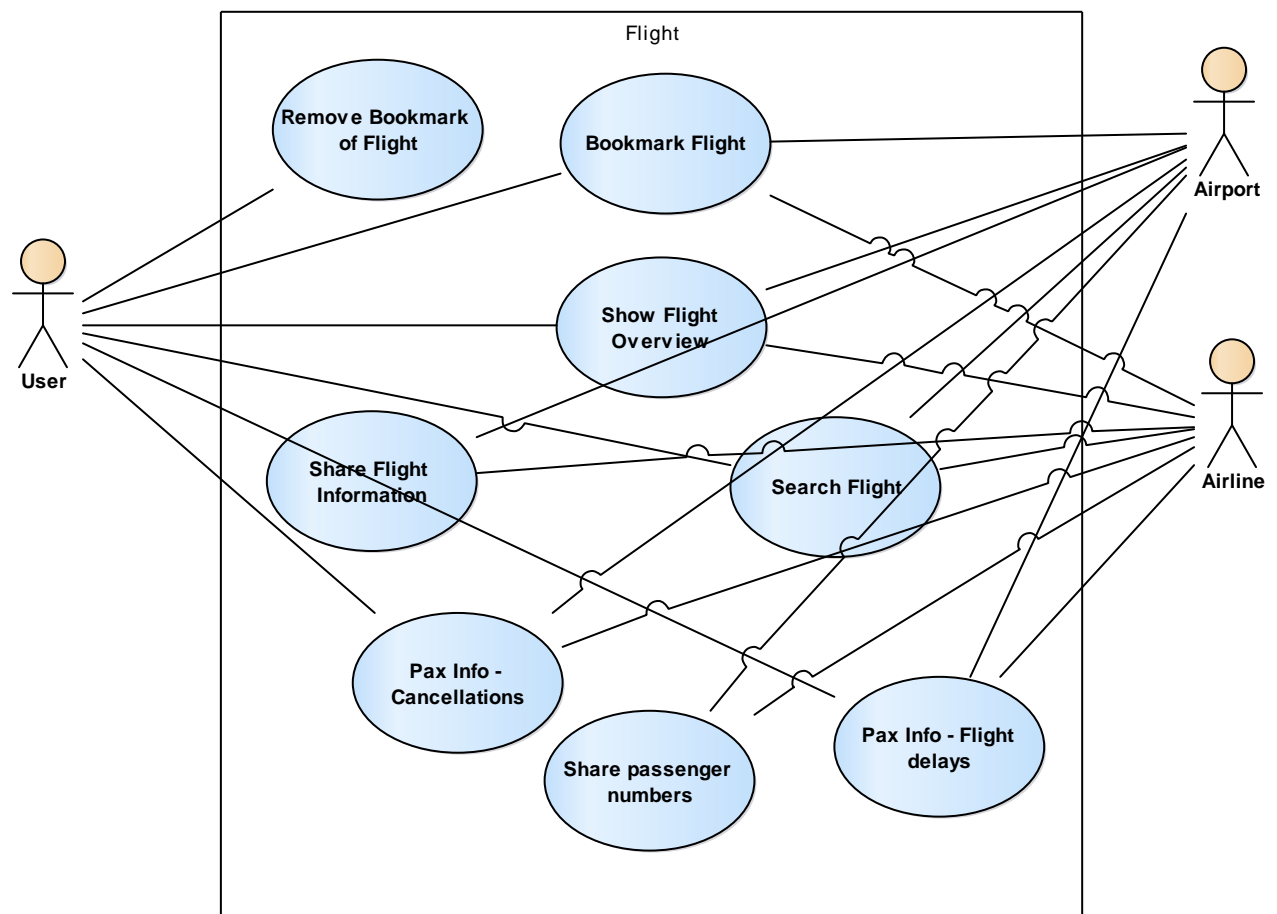
Figure 39: Flight

7.2.6.2 Bookmark Flight

UseCase in package 'Flight'

The user can bookmark a flight for a faster access the next time and enables push-updates for the bookmarked flight

<u>Basic Path</u>

Bookmark Flight:

[1] The user presses bookmark flight. [2] The application add the flight to the user's favorite flights in the user profile. [3] (The application enables sending push-messages for updates of the flight to the user's device). [4] The application marks the flight as bookmarks in the detail view.

Bookmark Flight_ActivityGraph
Activity owned by 'Bookmark Flight', in package 'Flight'

Bookmark Flight_ActivityGraph diagram
Activity diagram in package 'Flight'
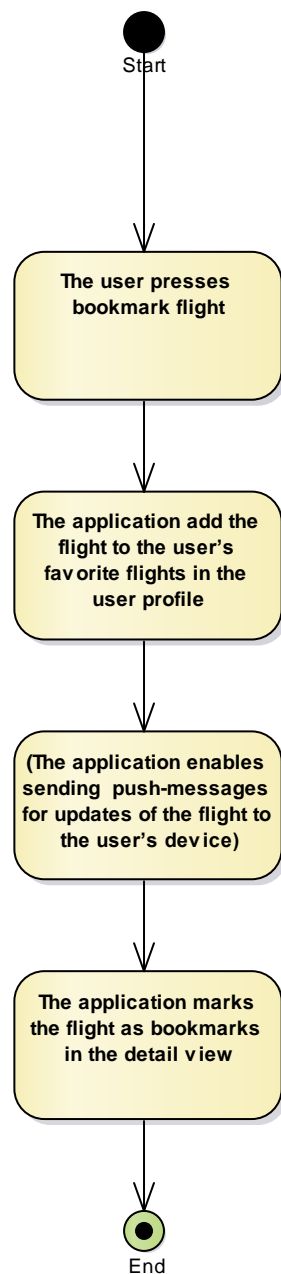
Figure 40: Bookmark Flight_ActivityGraph

(The application enables sending push-messages for updates of the flight to the user's device)
Activity owned by 'Bookmark Flight_ActivityGraph', in package 'Flight'

The application add the flight to the user's favorite flights in the user profile
Activity owned by 'Bookmark Flight_ActivityGraph', in package 'Flight'

> The application add the flight to the user's favorite flights in the user profile
> Version 1.0 Phase 1.0 Proposed
> Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application marks the flight as bookmarks in the detail view
Activity owned by 'Bookmark Flight_ActivityGraph', in package 'Flight'

> The application marks the flight as bookmarks in the detail view
> Version 1.0 Phase 1.0 Proposed
> Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user presses bookmark flight
Activity owned by 'Bookmark Flight_ActivityGraph', in package 'Flight'

> The user presses bookmark flight
> Version 1.0 Phase 1.0 Proposed
> Bob Logan created on 24/10/2016. Last modified 24/10/2016

End
ActivityFinal owned by 'Bookmark Flight_ActivityGraph', in package 'Flight'

> End
> Version 1.0 Phase 1.0 Proposed
> Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start
ActivityInitial owned by 'Bookmark Flight_ActivityGraph', in package 'Flight'

> Start

7.2.6.3 Pax Info - Cancellations

UseCase in package 'Flight'

Receive flight cancellation information

Basic Path

Pax Info - Cancellations:

[1] The airline provides information on flight cancellation. [2] End-user will be offered options such as: a) flight re-booking b) vouchers (meal, drinks, etc.) c) hotel accomodation .

Pax Info - Cancellations_ActivityGraph
Activity owned by 'Pax Info - Cancellations', in package 'Flight'

Pax Info - Cancellations_ActivityGraph diagram
Activity diagram in package 'Flight'
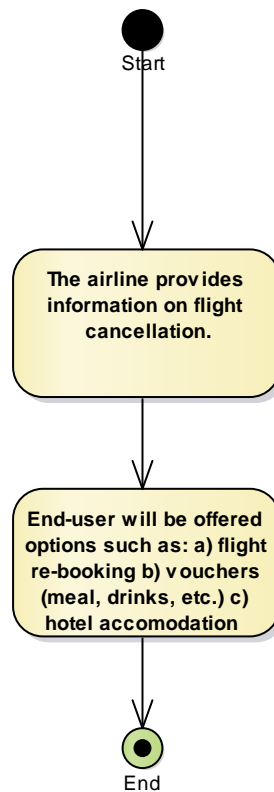
Figure 41: Pax Info - Cancellations_ActivityGraph

End-user will be offered options such as: a) flight re-booking b) vouchers (meal, drinks, etc.) c) hotel accomodation

Activity owned by 'Pax Info - Cancellations_ActivityGraph', in package 'Flight'

End-user will be offered options such as: a) flight re-booking b) vouchers (meal, drinks, etc.) c) hotel accomodation

Version 1.0 Phase 1.0 Proposed

Bob Logan created on 24/10/2016. Last modified 24/10/2016

The airline provides information on flight cancellation.

Activity owned by 'Pax Info - Cancellations_ActivityGraph', in package 'Flight'

The airline provides information on flight cancellation.

Version 1.0 Phase 1.0 Proposed

Bob Logan created on 24/10/2016. Last modified 24/10/2016

End

ActivityFinal owned by 'Pax Info - Cancellations_ActivityGraph', in package 'Flight'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

ActivityInitial owned by 'Pax Info - Cancellations_ActivityGraph', in package 'Flight'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.6.4 Pax Info - Flight delays

UseCase in package 'Flight'

Receive flight delay information

Pax Info - Flight delays
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 28/10/2016

Basic Path

Pax Info - Flight delays:

[1] The airline provides information on flight delays. [2] End-user will receive the information and will be offered options such as: a) buy lounge access b) vouchers (meal, drinks, etc.) c) special offers .

Pax Info - Flight delays_ActivityGraph

Activity owned by 'Pax Info - Flight delays', in package 'Flight'

Pax Info - Flight delays_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Pax Info - Flight delays_ActivityGraph diagram
Activity diagram in package 'Flight'

Pax Info - Flight delays_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016
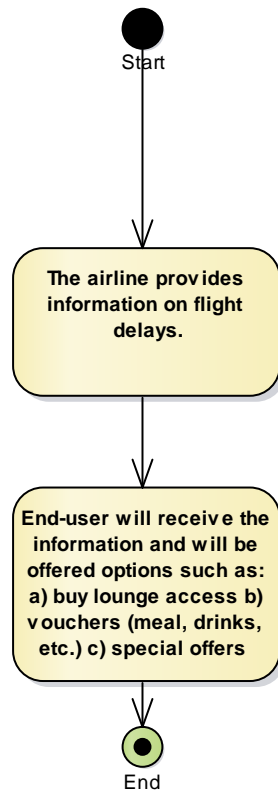
Figure 42: Pax Info - Flight delays_ActivityGraph

End-user will receive the information and will be offered options such as: a) buy lounge access b) vouchers (meal, drinks, etc.) c) special offers
Activity owned by 'Pax Info - Flight delays_ActivityGraph', in package 'Flight'

End-user will receive the information and will be offered options such as: a) buy lounge access b) vouchers (meal, drinks, etc.) c) special offers
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The airline provides information on flight delays.
Activity owned by 'Pax Info - Flight delays_ActivityGraph', in package 'Flight'

The airline provides information on flight delays.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End

ActivityFinal owned by 'Pax Info - Flight delays_ActivityGraph', in package 'Flight'

Start

ActivityInitial owned by 'Pax Info - Flight delays_ActivityGraph', in package 'Flight'

7.2.6.5 Remove Bookmark of Flight

UseCase in package 'Flight'

The user wants to remove a flight from the bookmarked flights.

Basic Path

Remove Bookmark of Flight:

[1] The user selects the ""unbookmark"" button next to a flight. [2] The application removes the bookmark symbol and stores the updated bookmark list.

Activity owned by 'Remove Bookmark of Flight', in package 'Flight'

Remove Bookmark of Flight_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Remove Bookmark of Flight_ActivityGraph diagram
Activity diagram in package 'Flight'

Remove Bookmark of Flight_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016
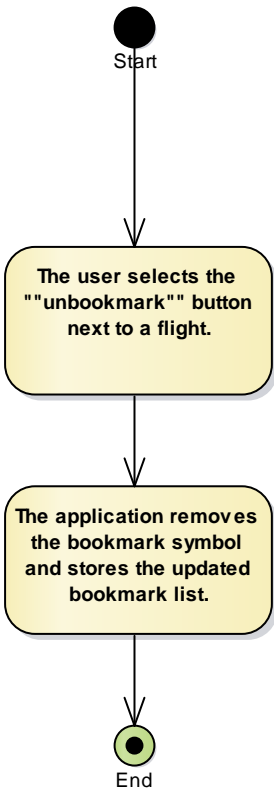
Figure 43: Remove Bookmark of Flight_ActivityGraph

The application removes the bookmark symbol and stores the updated bookmark list.
Activity owned by 'Remove Bookmark of Flight_ActivityGraph', in package 'Flight'

The application removes the bookmark symbol and stores the updated bookmark list.

The user selects the ""unbookmark"" button next to a flight.

Activity owned by 'Remove Bookmark of Flight_ActivityGraph', in package 'Flight'

End

ActivityFinal owned by 'Remove Bookmark of Flight_ActivityGraph', in package 'Flight'

Start

ActivityInitial owned by 'Remove Bookmark of Flight_ActivityGraph', in package 'Flight'

7.2.6.6 Search Flight

UseCase in package 'Flight'

The user wants to search a specific flight. As search criteria the user has to select a date and can optionally enter one or more of the following attributes (or fragments): - Arrival or departure - Scheduled time (maybe period of time) - Airline - Flight-number - Destination - Origin

Basic Path

Search Flight:

[1] The User presses the "Search flight" Button on the application. [2] The application displays a search UI with selection items and text fields. [3] The user enters search data into the search UI. [4] The application selects all matching flights from the database. [5] The application displays a list with all matching flights.

Alternate Paths

Alternative Path:

(at [1])

If the user hasn't selected a home airport, the first step is that the application asks the user which Airport should be used for searching flights..

Search Flight_ActivityGraph
Activity owned by 'Search Flight', in package 'Flight'

Search Flight_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Search Flight_ActivityGraph diagram
Activity diagram in package 'Flight'

Search Flight_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

Alternate1

[Alternative Path]

The User presses the "Search flight" Button on the application.

If the user hasn't selected a home airport, the first step is that the application asks the user which Airport should be used for searching flights.

The application displays a search UI with selection items and text fields

The user enters search data into the search UI

The application selects all matching flights from the database

The application displays a list with all matching flights

End
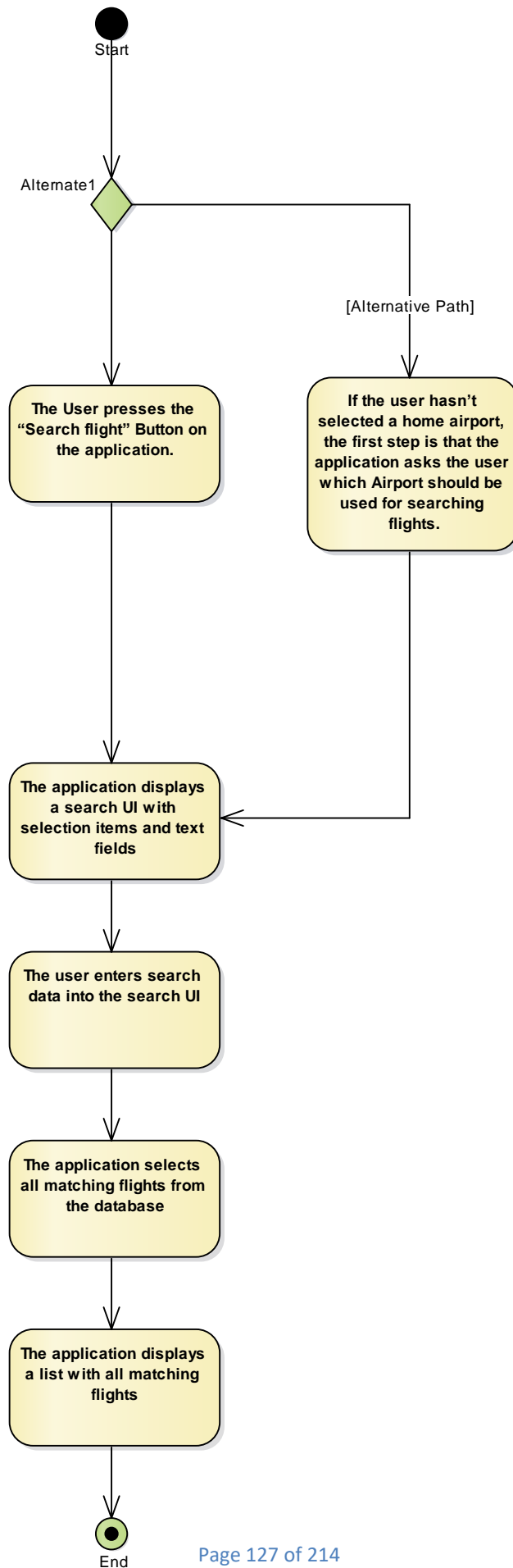
If the user hasn't selected a home airport, the first step is that the application asks the user which Airport should be used for searching flights.

Activity owned by 'Search Flight_ActivityGraph', in package 'Flight'

If the user hasn't selected a home airport, the first step is that the application asks the user which Airport should be used for searching flights.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application displays a list with all matching flights

Activity owned by 'Search Flight_ActivityGraph', in package 'Flight'

The application displays a list with all matching flights
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application displays a search UI with selection items and text fields

Activity owned by 'Search Flight_ActivityGraph', in package 'Flight'

The application displays a search UI with selection items and text fields
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application selects all matching flights from the database

Activity owned by 'Search Flight_ActivityGraph', in package 'Flight'

The application selects all matching flights from the database
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user enters search data into the search UI
Activity owned by 'Search Flight_ActivityGraph', in package 'Flight'

The user enters search data into the search UI
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The User presses the "Search flight" Button on the application.
Activity owned by 'Search Flight_ActivityGraph', in package 'Flight'

The User presses the "Search flight" Button on the application.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Alternate1
DecisionNode owned by 'Search Flight_ActivityGraph', in package 'Flight'

Alternate1
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End
ActivityFinal owned by 'Search Flight_ActivityGraph', in package 'Flight'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start
ActivityInitial owned by 'Search Flight_ActivityGraph', in package 'Flight'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.6.7 Share Flight Information

UseCase in package 'Flight'

Receive filterable list with flight information from provider (e.g. airport or airline)

<div align="right">

Share Flight Information
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

</div>

Basic Path

Share Flight Information:

[1] The application requests flight data for a certain timeframe (and possibly with further filters set). [2] The data providing partner replies the requested information.

Share Flight Information_ActivityGraph
Activity owned by 'Share Flight Information', in package 'Flight'

<div align="right">

Share Flight Information_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Share Flight Information_ActivityGraph diagram
Activity diagram in package 'Flight'

<div align="right">

Share Flight Information_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>
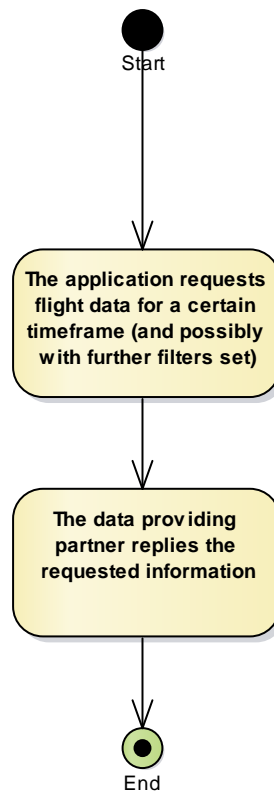
Figure 45: Share Flight Information_ActivityGraph

The application requests flight data for a certain timeframe (and possibly with further filters set)
Activity owned by 'Share Flight Information_ActivityGraph', in package 'Flight'

The application requests flight data for a certain timeframe (and possibly with further filters set)
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The data providing partner replies the requested information
Activity owned by 'Share Flight Information_ActivityGraph', in package 'Flight'

The data providing partner replies the requested information
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End

ActivityFinal owned by 'Share Flight Information_ActivityGraph', in package 'Flight'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

ActivityInitial owned by 'Share Flight Information_ActivityGraph', in package 'Flight'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.6.8 Share passenger numbers

UseCase in package 'Flight'

Provide ""passenger numbers"" for the following: departure, arrival, transit split between economy and business

Share passenger numbers
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 28/10/2016

Basic Path

Share passenger numbers:

[1] Airport and partner requests information about passenger numbers. [2] The information is provided by the airline. [3] Airport and partner make use of the passenger numbers to forecast FTE requirements and manage passenger flows.

Share passenger numbers_ActivityGraph

Activity owned by 'Share passenger numbers', in package 'Flight'

Share passenger numbers_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Share passenger numbers_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016

```
                    ● Start
                    │
                    ▼
        ┌───────────────────────┐
        │  Airport and partner  │
        │ requests information  │
        │  about passenger      │
        │      numbers.         │
        └───────────────────────┘
                    │
                    ▼
        ┌───────────────────────┐
        │  The information is   │
        │ provided by the       │
        │      airline.         │
        └───────────────────────┘
                    │
                    ▼
        ┌───────────────────────┐
        │ Airport and partner   │
        │ make use of the       │
        │ passenger numbers to  │
        │ forecast FTE          │
        │ requirements and      │
        │ manage passenger      │
        │      flows.           │
        └───────────────────────┘
                    │
                    ▼
                   ◉ End
```
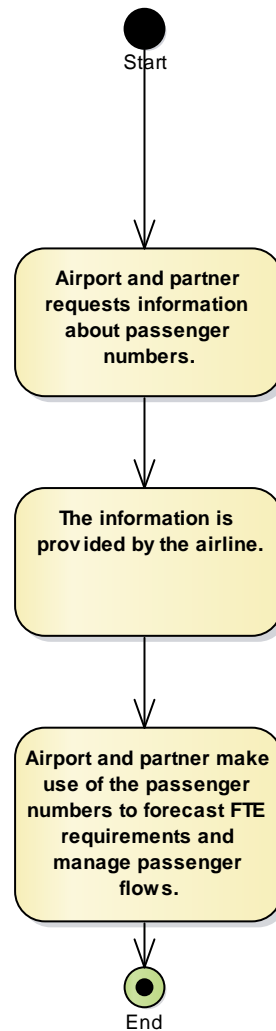
Figure 46: Share passenger numbers_ActivityGraph

Airport and partner make use of the passenger numbers to forecast FTE requirements and manage passenger flows.
Activity owned by 'Share passenger numbers_ActivityGraph', in package 'Flight'

Airport and partner make use of the passenger numbers to forecast FTE requirements and manage passenger flows.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Airport and partner requests information about passenger numbers.
Activity owned by 'Share passenger numbers_ActivityGraph', in package 'Flight'

Airport and partner requests information about passenger numbers.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The information is provided by the airline.
Activity owned by 'Share passenger numbers_ActivityGraph', in package 'Flight'

The information is provided by the airline.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End
ActivityFinal owned by 'Share passenger numbers_ActivityGraph', in package 'Flight'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start
ActivityInitial owned by 'Share passenger numbers_ActivityGraph', in package 'Flight'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.6.9 Show Flight Overview

UseCase in package 'Flight'

A list with flights of an Airport is displayed to the user

Basic Path

Show Flight Overview:

[1] The user presses the "Show flight list" button. [2] The application selects all flights of the next 24 hours from the database. [3] The application displays the filterable list with all flights.

Alternate Paths

Alternative Path:

(at [1])

If the user hasn't selected a default airport, the first step is that the application asks the user which Airport should be displayed..

Show Flight Overview_ActivityGraphWithParam
Activity owned by 'Show Flight Overview', in package 'Flight'

Show Flight Overview_ActivityGraphWithParam diagram
Activity diagram in package 'Flight'

Start

Alternate1

[Alternative Path]

The user presses the "Show flight list" button.

If the user hasn't selected a default airport, the first step is that the application asks the user which Airport should be displayed.

The application selects all flights of the next 24 hours from the database

The application displays the filterable list with all flights.

End
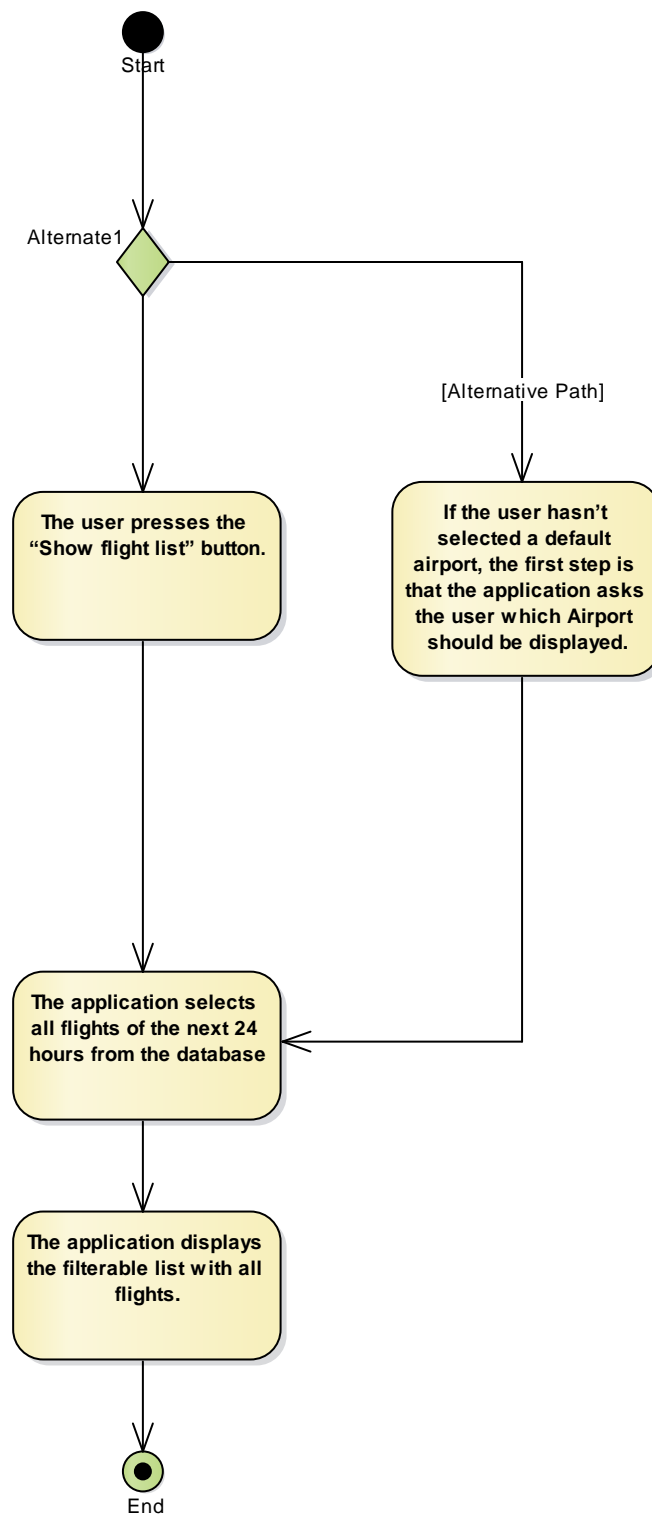
Figure 47: Show Flight Overview_ActivityGraphWithParam

If the user hasn't selected a default airport, the first step is that the application asks the user which Airport should be displayed.

Activity owned by 'Show Flight Overview_ActivityGraphWithParam', in package 'Flight'

If the user hasn't selected a default airport, the first step is that the application asks the user which Airport should be displayed.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application displays the filterable list with all flights.

Activity owned by 'Show Flight Overview_ActivityGraphWithParam', in package 'Flight'

The application displays the filterable list with all flights.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application selects all flights of the next 24 hours from the database

Activity owned by 'Show Flight Overview_ActivityGraphWithParam', in package 'Flight'

The application selects all flights of the next 24 hours from the database
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user presses the "Show flight list" button.

Activity owned by 'Show Flight Overview_ActivityGraphWithParam', in package 'Flight'

The user presses the "Show flight list" button.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Alternate1

DecisionNode owned by 'Show Flight Overview_ActivityGraphWithParam', in package 'Flight'

Alternate1
Version 1.0 Phase 1.0 Proposed

End

ActivityFinal owned by 'Show Flight Overview_ActivityGraphWithParam', in package 'Flight'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

ActivityInitial owned by 'Show Flight Overview_ActivityGraphWithParam', in package 'Flight'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.7　　　　　Location
Package in package 'Use Cases'

7.2.7.1 Location diagram

Use Case diagram in package 'Location'
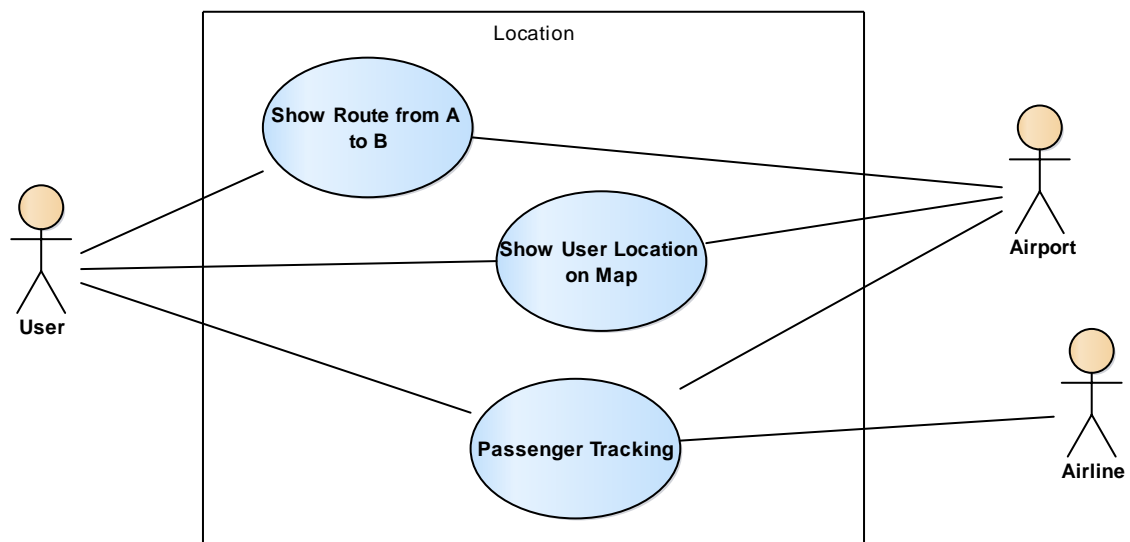
Figure 48: Location

7.2.7.2 Passenger Tracking

UseCase in package 'Location'

Provide passenger location

Basic Path

Passenger Tracking:

[1] Airport provides passenger location to the airline/groundhandler. [2] The airline takes the decision to wait or offload the passenger. [3] End-user is notified to go to the gate or that he was offloaded. [4] End-user is notified of flight re-booking.

Passenger Tracking_ActivityGraph

Activity owned by 'Passenger Tracking', in package 'Location'

Passenger Tracking_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Passenger Tracking_ActivityGraph diagram

Activity diagram in package 'Location'

Passenger Tracking_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016
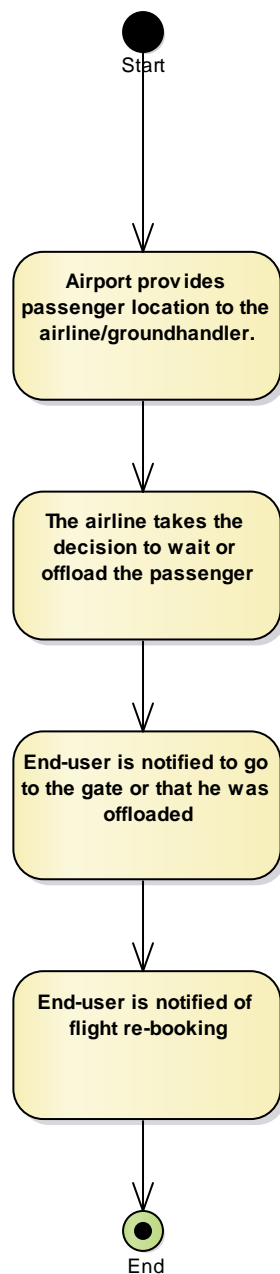
Figure 49: Passenger Tracking_ActivityGraph

Airport provides passenger location to the airline/groundhandler.
Activity owned by 'Passenger Tracking_ActivityGraph', in package 'Location'

End-user is notified of flight re-booking
Activity owned by 'Passenger Tracking_ActivityGraph', in package 'Location'

End-user is notified of flight re-booking
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End-user is notified to go to the gate or that he was offloaded
Activity owned by 'Passenger Tracking_ActivityGraph', in package 'Location'

End-user is notified to go to the gate or that he was offloaded
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The airline takes the decision to wait or offload the passenger
Activity owned by 'Passenger Tracking_ActivityGraph', in package 'Location'

The airline takes the decision to wait or offload the passenger
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End
ActivityFinal owned by 'Passenger Tracking_ActivityGraph', in package 'Location'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start
ActivityInitial owned by 'Passenger Tracking_ActivityGraph', in package 'Location'

Start

7.2.7.3 Show Route from A to B

UseCase in package 'Location'

Show a detailed map of a route between two points, e.g. arrival gate to departure gate, arrival gate to baggage claim, arrival gate to Starbucks

Basic Path

Show Route from A to B:

[1] The user is in a map view. [2] The user selects two points (or one and the current user position) using a POI search or selecting them from the map. [3] The application displays a route from point A to point B considering current construction sites, optimal travel times and special needs (e.g. PRM).

Show Route from A to B_ActivityGraph
Activity owned by 'Show Route from A to B', in package 'Location'

Show Route from A to B_ActivityGraph diagram
Activity diagram in package 'Location'
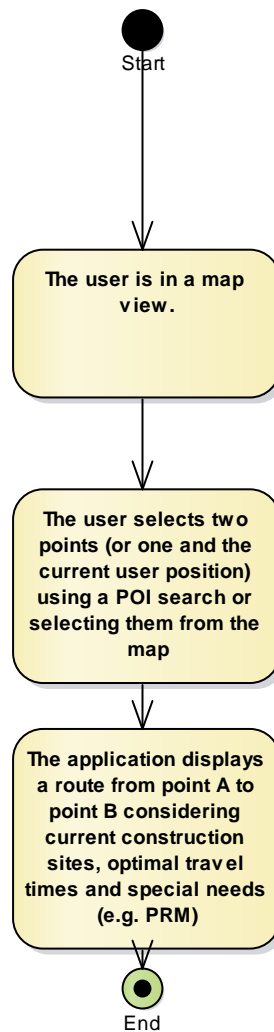
Figure 50: Show Route from A to B_ActivityGraph

The application displays a route from point A to point B considering current construction sites, optimal travel times and special needs (e.g. PRM)
Activity owned by 'Show Route from A to B_ActivityGraph', in package 'Location'

The application displays a route from point A to point B considering current construction sites, optimal travel times and special needs (e.g. PRM)
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user is in a map view.
Activity owned by 'Show Route from A to B_ActivityGraph', in package 'Location'

The user is in a map view.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user selects two points (or one and the current user position) using a POI search or selecting them from the map

Activity owned by 'Show Route from A to B_ActivityGraph', in package 'Location'

The user selects two points (or one and the current user position) using a POI search or selecting them from the map
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End

ActivityFinal owned by 'Show Route from A to B_ActivityGraph', in package 'Location'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

ActivityInitial owned by 'Show Route from A to B_ActivityGraph', in package 'Location'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.7.4 Show User Location on Map

UseCase in package 'Location'

Show a detailed map of the user and his surroundings (e.g. shops, elevators, ATMs, lavatories, restaurants…)

Show User Location on Map
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

<u>Basic Path</u>

Show User Location on Map:

[1] The user is in a map view. [2] The user presses the ""locate me"" button. [3] The application centers on the user's current position (with the correct level).

Show User Location on Map_ActivityGraph
Activity owned by 'Show User Location on Map', in package 'Location'

<div align="right">

Show User Location on Map_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Show User Location on Map_ActivityGraph diagram
Activity diagram in package 'Location'

<div align="right">

Show User Location on Map_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>
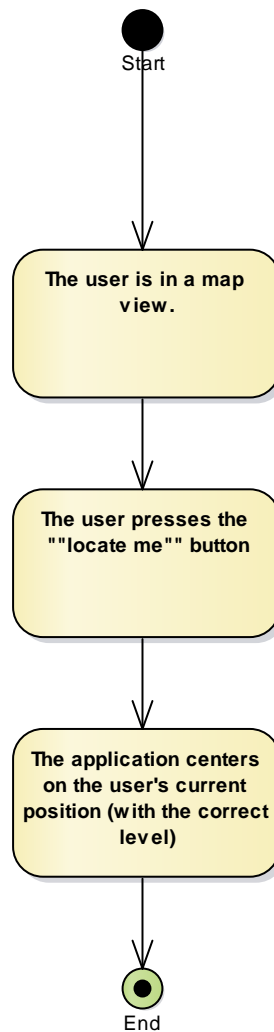
Figure 51: Show User Location on Map_ActivityGraph

The application centers on the user's current position (with the correct level)
Activity owned by 'Show User Location on Map_ActivityGraph', in package 'Location'

The application centers on the user's current position (with the correct level)
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user is in a map view.
Activity owned by 'Show User Location on Map_ActivityGraph', in package 'Location'

The user is in a map view.
Version 1.0 Phase 1.0 Proposed

The user presses the ""locate me"" button
Activity owned by 'Show User Location on Map_ActivityGraph', in package 'Location'

The user presses the ""locate me"" button
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End
ActivityFinal owned by 'Show User Location on Map_ActivityGraph', in package 'Location'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start
ActivityInitial owned by 'Show User Location on Map_ActivityGraph', in package 'Location'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.8   Services
Package in package 'Use Cases'

7.2.8.1 Services diagram

Use Case diagram in package 'Services'
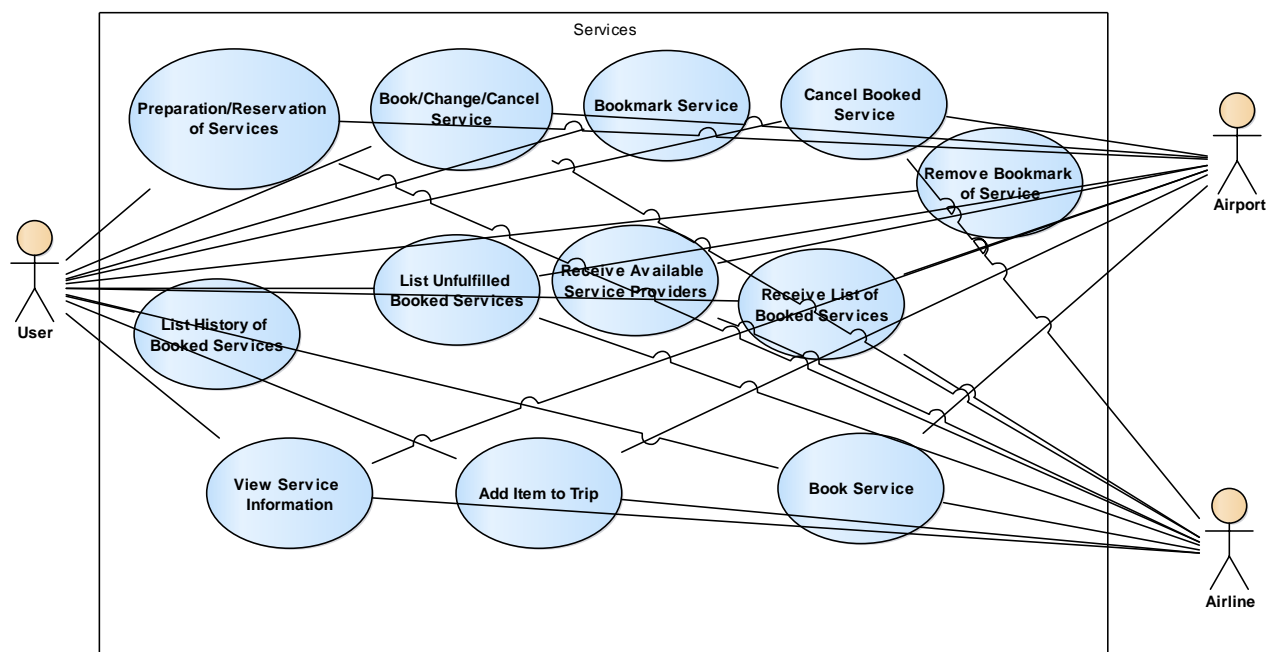
Figure 52: Services

7.2.8.2 Book Service

UseCase in package 'Services'

The user books a service at the airport. The booking process and an optional payment have to be done. At the end the user has booked a service and got a receipt.

<u>Basic Path</u>

Book Service:

[1] The user presses the button to book a service. [2] The application loads the first form-page from the service provider, who offers the service, extends this form with already known data and asks the user to check the filled and fill out the missing fields. [3] The user checks and fills out the form and presses next step. [4] The application pre-validates the form and sends it to the service-provider to receive the next booking-step. [5] Repeat steps 2, 3 and 4 until the last form is sent. [6] The application shows a booking summary to be checked by the user. [7] The user confirms the summary. [8] Extension-point for optional payment (see below). [9] The application request a fixed booking from the service-provider. [10] The application provider confirms the booking. [11] The application sends the confirmation to the user and displays it. [12] The user leaves the booking process.

Book Service_ActivityGraph
Activity owned by 'Book Service', in package 'Services'

Book Service_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Book Service_ActivityGraph diagram
Activity diagram in package 'Services'

Book Service_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

The user presses the button to book a service

The application loads the first form-page from the service provider, who offers the service, extends this form with already known data and asks the user to check the filled and fill out the missing fields

The user checks and fills out the form and presses next step.

The application pre-validates the form and sends it to the service-provider to receive the next booking-step

Repeat steps 2, 3 and 4 until the last form is sent..

The application shows a booking summary to be checked by the user

The user confirms the summary

Extension-point for optional payment (see below)

The application request a fixed booking from the service-provider

The application provider confirms the booking

The application sends the confirmation to the user and displays it

The user leaves the booking process

End

Extension-point for optional payment (see below)
Activity owned by 'Book Service_ActivityGraph', in package 'Services'

Extension-point for optional payment (see below)
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Repeat steps 2, 3 and 4 until the last form is sent..
Activity owned by 'Book Service_ActivityGraph', in package 'Services'

Repeat steps 2, 3 and 4 until the last form is sent..
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application loads the first form-page from the service provider, who offers the service, extends this form with already known data and asks the user to check the filled and fill out the missing fields.
Activity owned by 'Book Service_ActivityGraph', in package 'Services'

The application loads the first form-page from the service provider, who offers the service, extends this form with already known data and asks the user to check the filled and fill out the missing fields.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application pre-validates the form and sends it to the service-provider to receive the next booking-step
Activity owned by 'Book Service_ActivityGraph', in package 'Services'

The application pre-validates the form and sends it to the service-provider to receive the next booking-step
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application provider confirms the booking

Activity owned by 'Book Service_ActivityGraph', in package 'Services'

The application provider confirms the booking
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application request a fixed booking from the service-provider

Activity owned by 'Book Service_ActivityGraph', in package 'Services'

The application request a fixed booking from the service-provider
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application sends the confirmation to the user and displays it

Activity owned by 'Book Service_ActivityGraph', in package 'Services'

The application sends the confirmation to the user and displays it
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application shows a booking summary to be checked by the user

Activity owned by 'Book Service_ActivityGraph', in package 'Services'

The application shows a booking summary to be checked by the user
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user checks and fills out the form and presses next step.

Activity owned by 'Book Service_ActivityGraph', in package 'Services'

The user checks and fills out the form and presses next step.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user confirms the summary
Activity owned by 'Book Service_ActivityGraph', in package 'Services'

The user confirms the summary
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user leaves the booking process
Activity owned by 'Book Service_ActivityGraph', in package 'Services'

The user leaves the booking process
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user presses the button to book a service
Activity owned by 'Book Service_ActivityGraph', in package 'Services'

The user presses the button to book a service
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End
ActivityFinal owned by 'Book Service_ActivityGraph', in package 'Services'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start
ActivityInitial owned by 'Book Service_ActivityGraph', in package 'Services'

7.2.8.3 Book/Change/Cancel Service

UseCase in package 'Services'

The user books a service at the airport. The booking process and an optional payment have to be done. At the end the user has booked a service and got a receipt.

Book/Change/Cancel Service
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

Basic Path

Book/Change/Cancel Service:

[1] Partner A requests the change of a service information. [2] Partner B receives the requests and checks, if this change is possible. [3] If possible, B confirms the change to A, otherwise a human understandable error message is sent.

Book/Change/Cancel Service_ActivityGraph
    Activity owned by 'Book/Change/Cancel Service', in package 'Services'

Book/Change/Cancel Service_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Book/Change/Cancel Service_ActivityGraph diagram
Activity diagram in package 'Services'

Book/Change/Cancel Service_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016
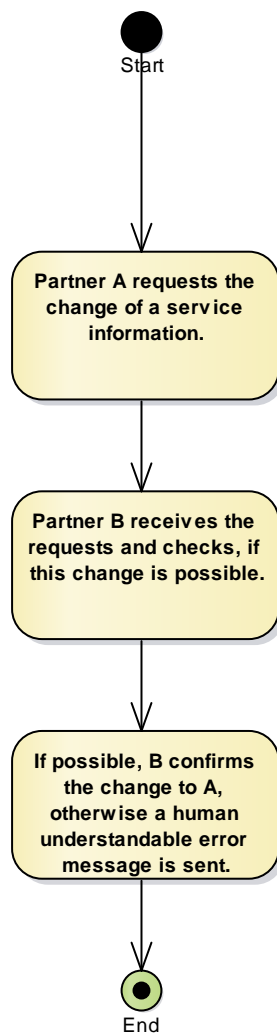
Figure 54: Book/Change/Cancel Service_ActivityGraph

If possible, B confirms the change to A, otherwise a human understandable error message is sent.
Activity owned by 'Book/Change/Cancel Service_ActivityGraph', in package 'Services'

If possible, B confirms the change to A, otherwise a human understandable error message is sent.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Partner A requests the change of a service information.
Activity owned by 'Book/Change/Cancel Service_ActivityGraph', in package 'Services'

Partner A requests the change of a service information.
Version 1.0 Phase 1.0 Proposed

Partner B receives the requests and checks, if this change is possible.
Activity owned by 'Book/Change/Cancel Service_ActivityGraph', in package 'Services'

Partner B receives the requests and checks, if this change is possible.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End
ActivityFinal owned by 'Book/Change/Cancel Service_ActivityGraph', in package 'Services'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start
ActivityInitial owned by 'Book/Change/Cancel Service_ActivityGraph', in package 'Services'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.8.4 Bookmark Service

UseCase in package 'Services'

The user can bookmark a service for a faster access the next time

Bookmark Service
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

Basic Path

Bookmark Service:

[1] The user presses bookmark service. [2] The application add the service to the user's favorite services in the user profile. [3] The application marks the services as bookmarks in the detail view.

Bookmark Service_ActivityGraph
Activity owned by 'Bookmark Service', in package 'Services'

Bookmark Service_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Bookmark Service_ActivityGraph diagram
Activity diagram in package 'Services'

Bookmark Service_ActivityGraph
Version 1.0
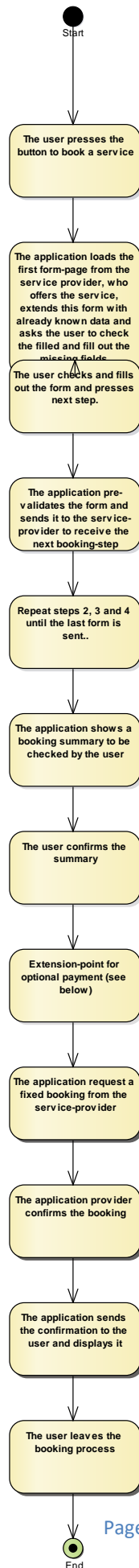Bob Logan created on 24/10/2016. Last modified 24/10/2016
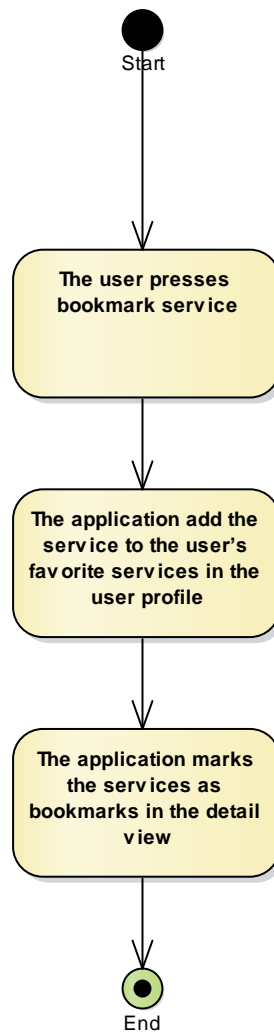
Figure 55: Bookmark Service_ActivityGraph

The application add the service to the user's favorite services in the user profile
Activity owned by 'Bookmark Service_ActivityGraph', in package 'Services'

The application add the service to the user's favorite services in the user profile
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application marks the services as bookmarks in the detail view
Activity owned by 'Bookmark Service_ActivityGraph', in package 'Services'

The application marks the services as bookmarks in the detail view
Version 1.0 Phase 1.0 Proposed

The user presses bookmark service

Activity owned by 'Bookmark Service_ActivityGraph', in package 'Services'

<div align="right">

The user presses bookmark service
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

End

ActivityFinal owned by 'Bookmark Service_ActivityGraph', in package 'Services'

<div align="right">

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Start

ActivityInitial owned by 'Bookmark Service_ActivityGraph', in package 'Services'

<div align="right">

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

7.2.8.5 Cancel Booked Service

UseCase in package 'Services'

The user wants to cancel a booked services and if he already paid the service he wants also the money back

<div align="right">

Cancel Booked Service
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

</div>

Basic Path

Cancel Booked Service:

[1] User selects change booking and presses cancel. [2] The application checks the current booking status. [3] If the status is already fulfilled or in progress: Alternate 1. [4] The application asks the service-provider for cancelation of the booking. [5] If the service-provider does not accept cancelation: Alternate 1. [6] The service provider accepts the cancelation. [7] If there has to be done a refund: Extension 1. [8] The application marks the booking as canceled. [9] The application sends a confirmation of cancelation to the user. [10] The application shows a confirmation summary.

Alternate Paths

Alternative Path:

(at [1])

The application shows a cancelation summery with rejected cancelation request and the reason.

Cancel Booked Service_ActivityGraph
Activity owned by 'Cancel Booked Service', in package 'Services'

Cancel Booked Service_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Cancel Booked Service_ActivityGraph diagram
Activity diagram in package 'Services'

Cancel Booked Service_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

Alternate1

[Alternative Path]

User selects change booking and presses cancel

The application shows a cancelation summery with rejected cancelation request and the reason

The application checks the current booking status

If the status is already fulfilled or in progress: Alternate 1

The application asks the service-provider for cancelation of the booking

If the service-provider does not accept cancelation: Alternate 1

The service provider accepts the cancelation

If there has to be done a refund: Extension 1

The application marks the booking as canceled

The application sends a confirmation of cancelation to the user

The application shows a confirmation summary

End

If the service-provider does not accept cancelation: Alternate 1
Activity owned by 'Cancel Booked Service_ActivityGraph', in package 'Services'

If the service-provider does not accept cancelation: Alternate 1
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

If the status is already fulfilled or in progress: Alternate 1
Activity owned by 'Cancel Booked Service_ActivityGraph', in package 'Services'

If the status is already fulfilled or in progress: Alternate 1
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

If there has to be done a refund: Extension 1
Activity owned by 'Cancel Booked Service_ActivityGraph', in package 'Services'

If there has to be done a refund: Extension 1
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application asks the service-provider for cancelation of the booking
Activity owned by 'Cancel Booked Service_ActivityGraph', in package 'Services'

The application asks the service-provider for cancelation of the booking
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application checks the current booking status
Activity owned by 'Cancel Booked Service_ActivityGraph', in package 'Services'

The application checks the current booking status
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application marks the booking as canceled
Activity owned by 'Cancel Booked Service_ActivityGraph', in package 'Services'

The application marks the booking as canceled
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application sends a confirmation of cancelation to the user
Activity owned by 'Cancel Booked Service_ActivityGraph', in package 'Services'

The application sends a confirmation of cancelation to the user
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application shows a cancelation summery with rejected cancelation request and the reason
Activity owned by 'Cancel Booked Service_ActivityGraph', in package 'Services'

The application shows a cancelation summery with rejected cancelation request and the reason
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application shows a confirmation summary
Activity owned by 'Cancel Booked Service_ActivityGraph', in package 'Services'

The application shows a confirmation summary
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The service provider accepts the cancelation
Activity owned by 'Cancel Booked Service_ActivityGraph', in package 'Services'

The service provider accepts the cancelation
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

User selects change booking and presses cancel
Activity owned by 'Cancel Booked Service_ActivityGraph', in package 'Services'

User selects change booking and presses cancel
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Alternate1
DecisionNode owned by 'Cancel Booked Service_ActivityGraph', in package 'Services'

Alternate1
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End
ActivityFinal owned by 'Cancel Booked Service_ActivityGraph', in package 'Services'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start
ActivityInitial owned by 'Cancel Booked Service_ActivityGraph', in package 'Services'

7.2.8.6 List History of Booked Services

UseCase in package 'Services'

Ths user wants to know all his booked services. Therefore a need an overview over all his booking actions to verfy or rebook them .

<div align="right">

List History of Booked Services
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

</div>

<u>Basic Path</u>

List History of Booked Services:

[1] User selects the booked services list. [2] The application shows the list of services.

List History of Booked Services_ActivityGraph
Activity owned by 'List History of Booked Services', in package 'Services'

<div align="right">

List History of Booked Services_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

List History of Booked Services_ActivityGraph diagram
Activity diagram in package 'Services'

<div align="right">

List History of Booked Services_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>
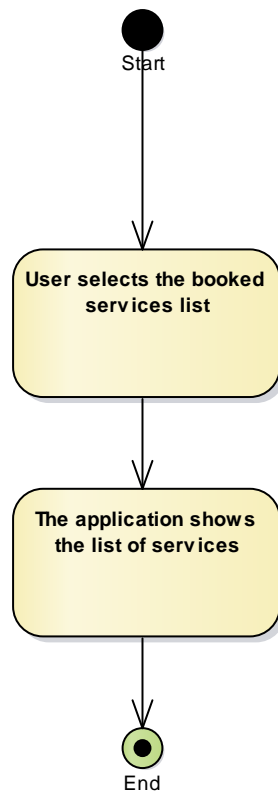
Figure 57: List History of Booked Services_ActivityGraph

The application shows the list of services
Activity owned by 'List History of Booked Services_ActivityGraph', in package 'Services'

The application shows the list of services
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

User selects the booked services list
Activity owned by 'List History of Booked Services_ActivityGraph', in package 'Services'

User selects the booked services list
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End

ActivityFinal owned by 'List History of Booked Services_ActivityGraph', in package 'Services'

<div align="right">

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Start

ActivityInitial owned by 'List History of Booked Services_ActivityGraph', in package 'Services'

<div align="right">

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

7.2.8.7 List Unfulfilled Booked Services

UseCase in package 'Services'

The user can view a list with all services he has booked. The list shows some information for every service like date of booked service or status (booked, committed, canceled, …)

<div align="right">

List Unfulfilled Booked Services
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

</div>

Basic Path

List Unfulfilled Booked Services:

[1] The user select the 'booked services' menu item in order to get an overview about the booked services. [2] The application collects all open bookings (booked services which are not fulfilled). [3] The application checks when the booking status was updated. [4] The application requests for each booking the current booking status from the provider if it is older than a configurable time. [5] The service-provider checks the status of the bookings and returns the status to the application. [6] The applications shows a list of all booked and unfulfilled services.

List Unfulfilled Booked Services_ActivityGraph

Activity owned by 'List Unfulfilled Booked Services', in package 'Services'

<div align="right">

List Unfulfilled Booked Services_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

List Unfulfilled Booked Services_ActivityGraph diagram

Activity diagram in package 'Services'

List Unfulfilled Booked Services_ActivityGraph

Version 1.0

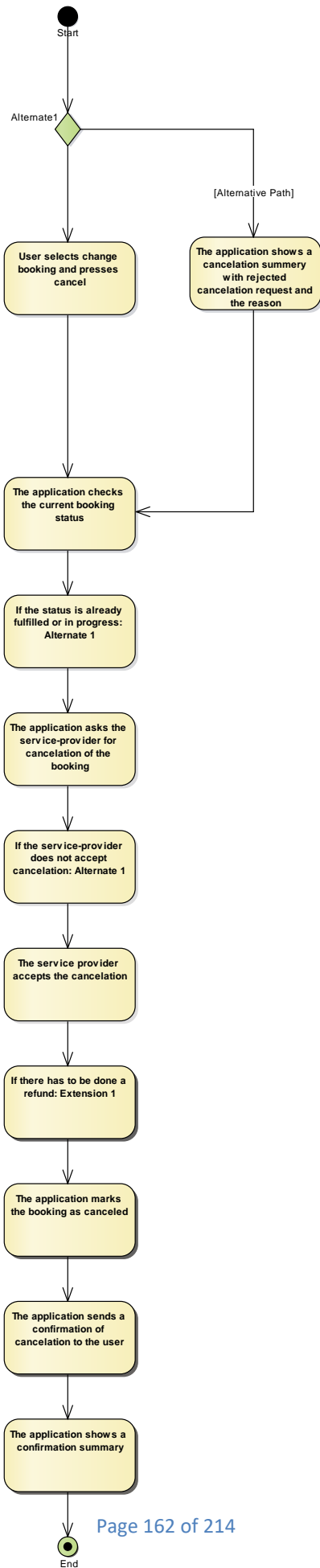Bob Logan created on 24/10/2016. Last modified 24/10/2016

```
                        ● Start
                        │
                        ▼
          ┌───────────────────────────┐
          │  The user select the      │
          │  'booked services' menu   │
          │  item in order to get an  │
          │  overview about the       │
          │  booked services          │
          └───────────────────────────┘
                        │
                        ▼
          ┌───────────────────────────┐
          │  The application collects │
          │  all open bookings        │
          │  (booked services which   │
          │  are not fulfilled)       │
          └───────────────────────────┘
                        │
                        ▼
          ┌───────────────────────────┐
          │  The application checks   │
          │  when the booking status  │
          │  was updated              │
          └───────────────────────────┘
                        │
                        ▼
          ┌───────────────────────────┐
          │  The application requests │
          │  for each booking the     │
          │  current booking status   │
          │  from the provider if it is│
          │  older than a configurable│
          │  time                     │
          └───────────────────────────┘
                        │
                        ▼
          ┌───────────────────────────┐
          │  The service-provider     │
          │  checks the status of the │
          │  bookings and returns the │
          │  status to the application│
          └───────────────────────────┘
                        │
                        ▼
          ┌───────────────────────────┐
          │  The applications shows   │
          │  a list of all booked and │
          │  unfulfilled services     │
          └───────────────────────────┘
                        │
                        ▼
                     ◉ End
```
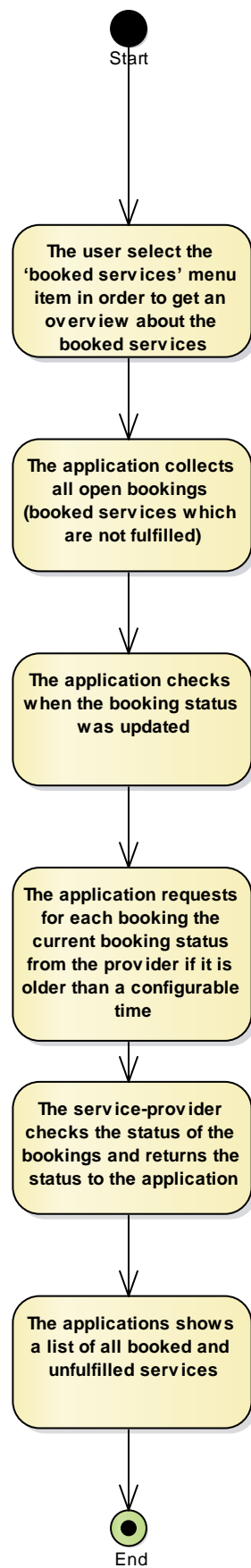
Figure 58: List Unfulfilled Booked Services_ActivityGraph

The application checks when the booking status was updated
Activity owned by 'List Unfulfilled Booked Services_ActivityGraph', in package 'Services'

The application checks when the booking status was updated
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application collects all open bookings (booked services which are not fulfilled)
Activity owned by 'List Unfulfilled Booked Services_ActivityGraph', in package 'Services'

The application collects all open bookings (booked services which are not fulfilled)
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application requests for each booking the current booking status from the provider if it is older than a configurable time
Activity owned by 'List Unfulfilled Booked Services_ActivityGraph', in package 'Services'

The application requests for each booking the current booking status from the provider if it is older than a configurable time
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The applications shows a list of all booked and unfulfilled services
Activity owned by 'List Unfulfilled Booked Services_ActivityGraph', in package 'Services'

The applications shows a list of all booked and unfulfilled services
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The service-provider checks the status of the bookings and returns the status to the application
Activity owned by 'List Unfulfilled Booked Services_ActivityGraph', in package 'Services'

The service-provider checks the status of the bookings and returns the status to the application
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user select the 'booked services' menu item in order to get an overview about the booked services
Activity owned by 'List Unfulfilled Booked Services_ActivityGraph', in package 'Services'

The user select the 'booked services' menu item in order to get an overview about the booked services
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End
ActivityFinal owned by 'List Unfulfilled Booked Services_ActivityGraph', in package 'Services'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start
ActivityInitial owned by 'List Unfulfilled Booked Services_ActivityGraph', in package 'Services'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.8.8 Preparation/Reservation of Services

UseCase in package 'Services'

The users preperes the service for booking. This Use-Case does not iclude the real booking transaction. It only configures the service an reserves it for a configurable amount of time. There is no contract bewenn service an user at the end of this Use-Case

Basic Path

Preparation/Reservation of Services:

[1] .

Preparation/Reservation of Services_ActivityGraph
Activity owned by 'Preparation/Reservation of Services', in package 'Services'

Preparation/Reservation of Services_ActivityGraph diagram
Activity diagram in package 'Services'
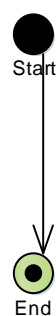
Figure 59: Preparation/Reservation of Services_ActivityGraph

End
ActivityFinal owned by 'Preparation/Reservation of Services_ActivityGraph', in package 'Services'

Start

ActivityInitial owned by 'Preparation/Reservation of Services_ActivityGraph', in package 'Services'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.8.9 Receive Available Service Providers

UseCase in package 'Services'

Receive providers, query by e.g. date/time/location (when/where needed). Including detailed information (e.g. opening hours), coupons, dynamic pricing

Receive Available Service Providers
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

Basic Path

Receive Available Service Providers:

[1] Partner A requests a list of service providers. [2] Partner B sends the requested list.

Receive Available Service Providers_ActivityGraph
Activity owned by 'Receive Available Service Providers', in package 'Services'

Receive Available Service Providers_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Receive Available Service Providers_ActivityGraph diagram
Activity diagram in package 'Services'

Receive Available Service Providers_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016
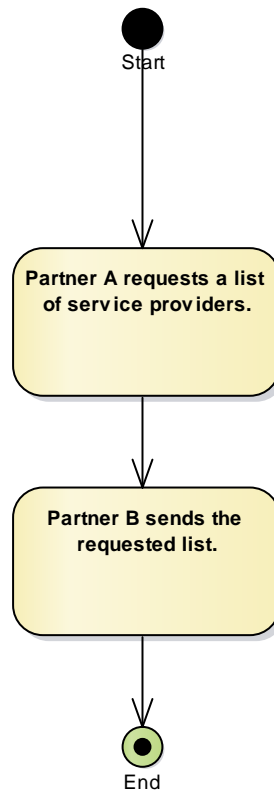
Figure 60: Receive Available Service Providers_ActivityGraph

Partner A requests a list of service providers.
Activity owned by 'Receive Available Service Providers_ActivityGraph', in package 'Services'

Partner A requests a list of service providers.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Partner B sends the requested list.
Activity owned by 'Receive Available Service Providers_ActivityGraph', in package 'Services'

Partner B sends the requested list.

End

ActivityFinal owned by 'Receive Available Service Providers_ActivityGraph', in package 'Services'

Start

ActivityInitial owned by 'Receive Available Service Providers_ActivityGraph', in package 'Services'

7.2.8.10   Receive List of Booked Services

UseCase in package 'Services'

The user gets presented a list of services that he has booked

Basic Path

Receive List of Booked Services:

[1] Partner A requests the list of services booked by a single user identified by a unique ID. [2] Partner B replies with the list of services.

Receive List of Booked Services_ActivityGraph
Activity owned by 'Receive List of Booked Services', in package 'Services'

Receive List of Booked Services_ActivityGraph diagram
Activity diagram in package 'Services'
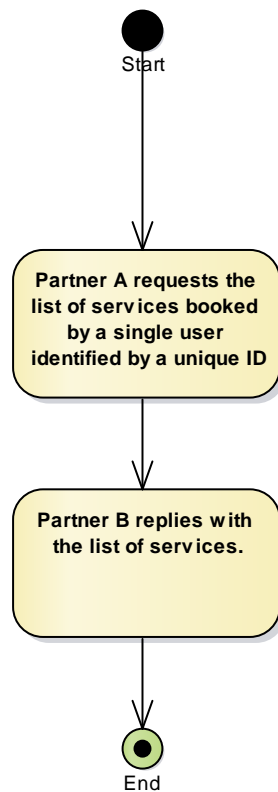
Figure 61: Receive List of Booked Services_ActivityGraph

Partner A requests the list of services booked by a single user identified by a unique ID
Activity owned by 'Receive List of Booked Services_ActivityGraph', in package 'Services'

Partner A requests the list of services booked by a single user identified by a unique ID
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Partner B replies with the list of services.
Activity owned by 'Receive List of Booked Services_ActivityGraph', in package 'Services'

<div align="right">

Partner B replies with the list of services.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

End
ActivityFinal owned by 'Receive List of Booked Services_ActivityGraph', in package 'Services'

<div align="right">

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Start
ActivityInitial owned by 'Receive List of Booked Services_ActivityGraph', in package 'Services'

<div align="right">

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

7.2.8.11   Remove Bookmark of Service

UseCase in package 'Services'

The user wants to remove the bookmark from a service in order to remove the service from his favourite service list

<div align="right">

Remove Bookmark of Service
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

</div>

Basic Path

Remove Bookmark of Service:

[1] The user selects the ""unbookmark"" button next to a service. [2] The application removes the service bookmark. [3] The application stores the updated bookmark list.

Remove Bookmark of Service_ActivityGraph

Activity owned by 'Remove Bookmark of Service', in package 'Services'

Remove Bookmark of Service_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Remove Bookmark of Service_ActivityGraph diagram

Activity diagram in package 'Services'

Remove Bookmark of Service_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016
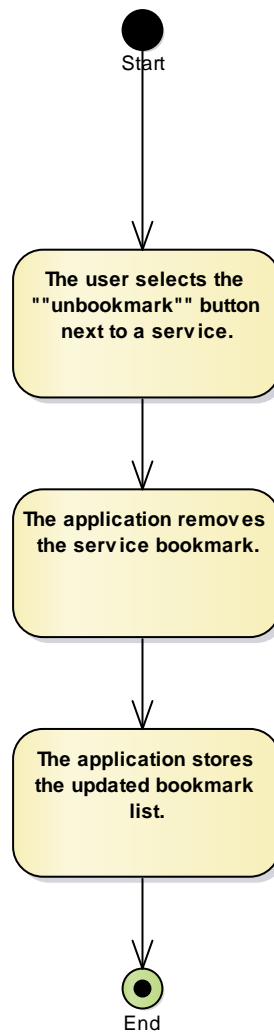
Figure 62: Remove Bookmark of Service_ActivityGraph

The application removes the service bookmark.
Activity owned by 'Remove Bookmark of Service_ActivityGraph', in package 'Services'

The application removes the service bookmark.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application stores the updated bookmark list.
Activity owned by 'Remove Bookmark of Service_ActivityGraph', in package 'Services'

The application stores the updated bookmark list.
Version 1.0 Phase 1.0 Proposed

The user selects the ""unbookmark"" button next to a service.
Activity owned by 'Remove Bookmark of Service_ActivityGraph', in package 'Services'

End
ActivityFinal owned by 'Remove Bookmark of Service_ActivityGraph', in package 'Services'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start
ActivityInitial owned by 'Remove Bookmark of Service_ActivityGraph', in package 'Services'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.8.12   View Service Information

UseCase in package 'Services'

The user selects a service to view the service's details. To get the maximum of flexibility the description is assembled of mandatory date like Title, short-description etc. and optional and flexible extensions for the main description, which consists of text-elements, list-elements and table-elements.

View Service Information
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

Basic Path

View Service Information:

[1] The user selects a service from the service-list. [2] The application selects the service-information from the database. [3] The application displays the detailed service information .

View Service Information_ActivityGraph
Activity owned by 'View Service Information', in package 'Services'

View Service Information_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

View Service Information_ActivityGraph diagram
Activity diagram in package 'Services'

View Service Information_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016
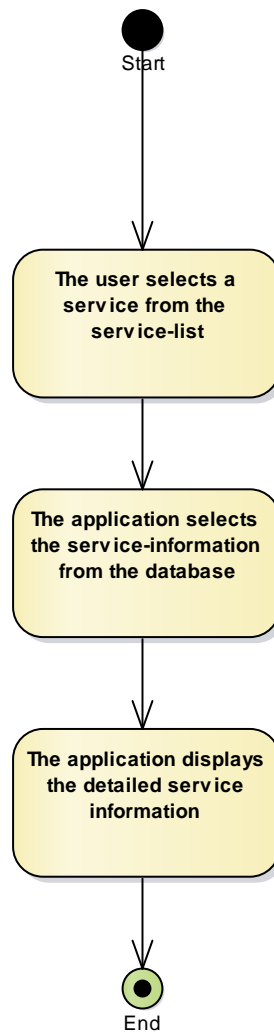
Figure 63: View Service Information_ActivityGraph

The application displays the detailed service information
Activity owned by 'View Service Information_ActivityGraph', in package 'Services'

The application displays the detailed service information
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application selects the service-information from the database
Activity owned by 'View Service Information_ActivityGraph', in package 'Services'

The application selects the service-information from the database
Version 1.0 Phase 1.0 Proposed

The user selects a service from the service-list
Activity owned by 'View Service Information_ActivityGraph', in package 'Services'

<div align="right">

The user selects a service from the service-list
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

End
ActivityFinal owned by 'View Service Information_ActivityGraph', in package 'Services'

<div align="right">

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Start
ActivityInitial owned by 'View Service Information_ActivityGraph', in package 'Services'

<div align="right">

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

7.2.9　　　　Trip

Package in package 'Use Cases'

7.2.9.1 Trip diagram

Use Case diagram in package 'Trip'
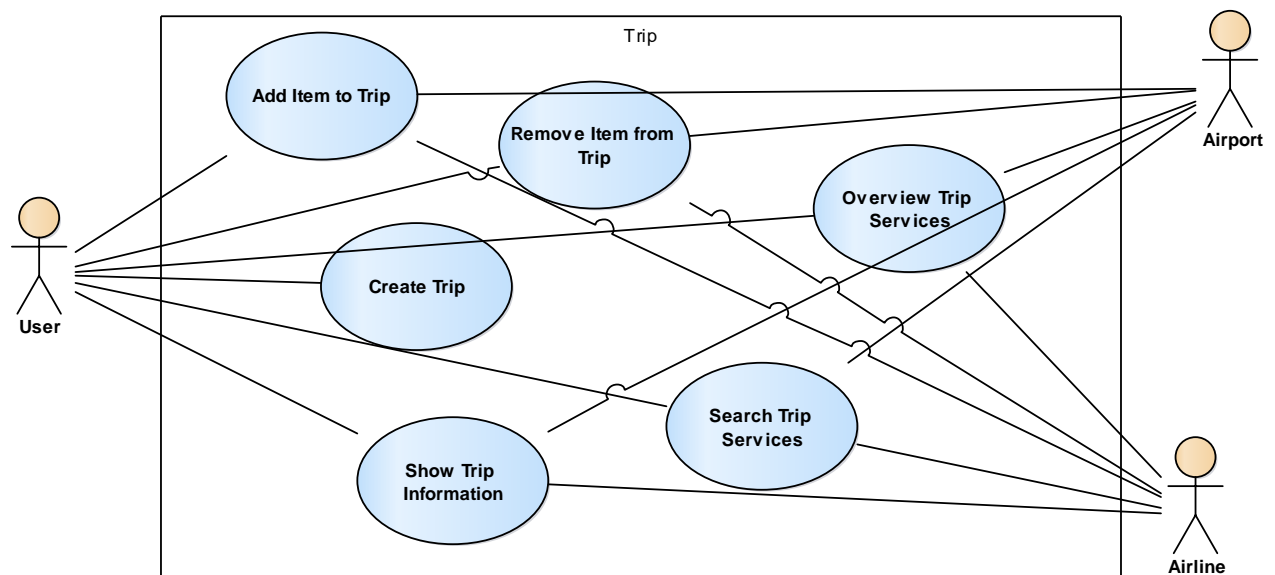
Figure 64: Trip

7.2.9.2 Add Item to Trip

UseCase in package 'Trip'

Add - Flight - Booked Service - Ground Transportation to Trip

Basic Path

Add Item to Trip:

[1] The user has a flight/service/… on screen. He clicks/taps a button to add this item to a trip. [2] The application shows a list of all of the user's trips. [3] The user selects one trip from the list. [4] The application adds the item to the trip and stores the updated trip.

Add Item to Trip_ActivityGraph
Activity owned by 'Add Item to Trip', in package 'Trip'

Add Item to Trip_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Add Item to Trip_ActivityGraph diagram
Activity diagram in package 'Trip'

Add Item to Trip_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016
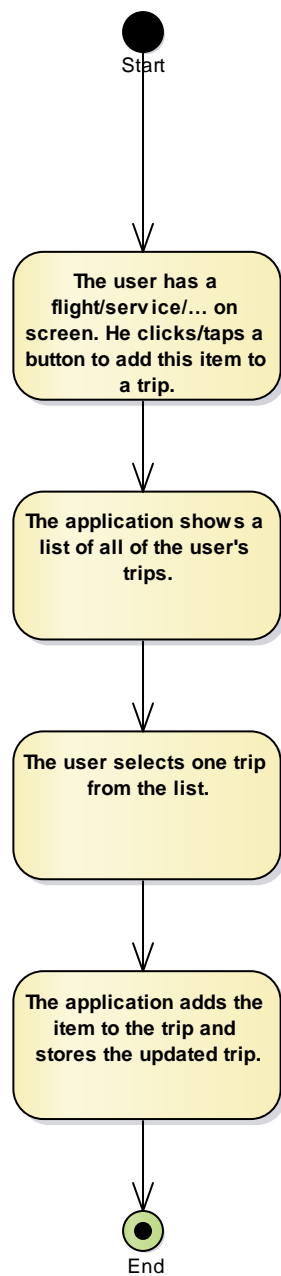
Figure 65: Add Item to Trip_ActivityGraph

The application adds the item to the trip and stores the updated trip.
Activity owned by 'Add Item to Trip_ActivityGraph', in package 'Trip'

The application shows a list of all of the user's trips.
Activity owned by 'Add Item to Trip_ActivityGraph', in package 'Trip'

The application shows a list of all of the user's trips.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user has a flight/service/… on screen. He clicks/taps a button to add this item to a trip.
Activity owned by 'Add Item to Trip_ActivityGraph', in package 'Trip'

The user has a flight/service/… on screen. He clicks/taps a button to add this item to a trip.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user selects one trip from the list.
Activity owned by 'Add Item to Trip_ActivityGraph', in package 'Trip'

The user selects one trip from the list.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End
ActivityFinal owned by 'Add Item to Trip_ActivityGraph', in package 'Trip'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start
ActivityInitial owned by 'Add Item to Trip_ActivityGraph', in package 'Trip'

Start

7.2.9.3 Create Trip

UseCase in package 'Trip'

The users wants to create a new trip. Therefore the application has to save a new Trip-Wrapper and guide the user to complete the trip information.

Basic Path

Create Trip:

[1] The user clicks/taps on an visual element (e.g. button) to create a new trip. [2] The user enters a name for the new trip (and possibly other details like type:business/vacation, description). [3] The application saves this information and shows the new trip in a list.

Create Trip_ActivityGraph
Activity owned by 'Create Trip', in package 'Trip'

Create Trip_ActivityGraph diagram
Activity diagram in package 'Trip'
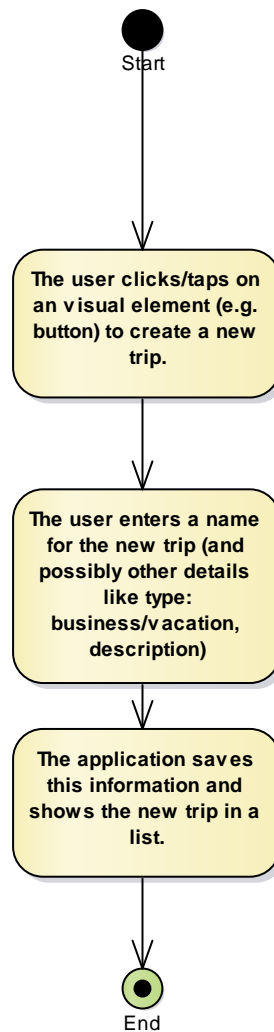
Figure 66: Create Trip_ActivityGraph

The application saves this information and shows the new trip in a list.
Activity owned by 'Create Trip_ActivityGraph', in package 'Trip'

The application saves this information and shows the new trip in a list.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user clicks/taps on an visual element (e.g. button) to create a new trip.
Activity owned by 'Create Trip_ActivityGraph', in package 'Trip'

The user clicks/taps on an visual element (e.g. button) to create a new trip.
Version 1.0 Phase 1.0 Proposed

The user enters a name for the new trip (and possibly other details like type:business/vacation, description)

Activity owned by 'Create Trip_ActivityGraph', in package 'Trip'

The user enters a name for the new trip (and possibly other details like type:business/vacation, description)
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End

ActivityFinal owned by 'Create Trip_ActivityGraph', in package 'Trip'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start

ActivityInitial owned by 'Create Trip_ActivityGraph', in package 'Trip'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.9.4 Overview Trip Services

UseCase in package 'Trip'

The application shows list with all services provided via the app or web site he uses. The list includes all services from the airport and local or external service providers (could also be another airport)

Overview Trip Services
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

<u>Basic Path</u>

Overview Trip Services:

[1] The user has the trip details view open showing all flights/services/… for that particular trip. [2] The user selects to get shown available services. [3] The application shows a list of availble services.

Overview Trip Services_ActivityGraph
Activity owned by 'Overview Trip Services', in package 'Trip'

Overview Trip Services_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Overview Trip Services_ActivityGraph diagram
Activity diagram in package 'Trip'

Overview Trip Services_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Figure 67: Overview Trip Services_ActivityGraph

The application shows a list of availble services
Activity owned by 'Overview Trip Services_ActivityGraph', in package 'Trip'

The application shows a list of availble services
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user has the trip details view open showing all flights/services/… for that particular trip.
Activity owned by 'Overview Trip Services_ActivityGraph', in package 'Trip'

The user has the trip details view open showing all flights/services/… for that particular trip.
Version 1.0 Phase 1.0 Proposed

The user selects to get shown available services

Activity owned by 'Overview Trip Services_ActivityGraph', in package 'Trip'

<div align="right">

The user selects to get shown available services
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

End

ActivityFinal owned by 'Overview Trip Services_ActivityGraph', in package 'Trip'

<div align="right">

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Start

ActivityInitial owned by 'Overview Trip Services_ActivityGraph', in package 'Trip'

<div align="right">

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

7.2.9.5 Remove Item from Trip

UseCase in package 'Trip'

Remove - Flight - Booked Service - Ground Transportation from Trip

<div align="right">

Remove Item from Trip
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

</div>

Basic Path

Remove Item from Trip:

[1] The user has the trip details view open showing all flights/services/… for that particular trip. [2] The user clicks/taps the remove button next to each entry. [3] The application removes the item from the trip and stores the updated trip.

Remove Item from Trip_ActivityGraph
Activity owned by 'Remove Item from Trip', in package 'Trip'

Remove Item from Trip_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Remove Item from Trip_ActivityGraph diagram
Activity diagram in package 'Trip'

Remove Item from Trip_ActivityGraph
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016
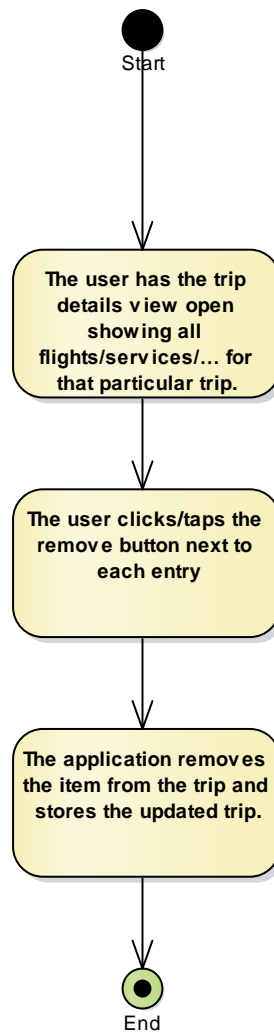
Figure 68: Remove Item from Trip_ActivityGraph

The application removes the item from the trip and stores the updated trip.
Activity owned by 'Remove Item from Trip_ActivityGraph', in package 'Trip'

The application removes the item from the trip and stores the updated trip.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user clicks/taps the remove button next to each entry
Activity owned by 'Remove Item from Trip_ActivityGraph', in package 'Trip'

The user clicks/taps the remove button next to each entry
Version 1.0 Phase 1.0 Proposed

The user has the trip details view open showing all flights/services/… for that particular trip.
Activity owned by 'Remove Item from Trip_ActivityGraph', in package 'Trip'

The user has the trip details view open showing all flights/services/… for that particular trip.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End
ActivityFinal owned by 'Remove Item from Trip_ActivityGraph', in package 'Trip'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start
ActivityInitial owned by 'Remove Item from Trip_ActivityGraph', in package 'Trip'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.9.6 Search Trip Services

UseCase in package 'Trip'

The user wants to search for a specific service. To make it easy to find a service the user can search via a single search field.

Search Trip Services
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

Basic Path

Search Trip Services:

[1] The user opens the service overview. [2] The application shows a search bar, up to three recommended services and a list of all categories. [3] The user types a search string into the search bar and presses enter. [4] The system searches for all services fitting to the search request. [5] The application displays the matching services as list ordered by relevance.

Alternate Paths

Alternative Path:

(at [1])

If the user hasn't selected a default or current airport, the first step is that the application asks the user which Airport should be used..

Search Trip Services_ActivityGraphWithParam
Activity owned by 'Search Trip Services', in package 'Trip'

Search Trip Services_ActivityGraphWithParam
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Search Trip Services_ActivityGraphWithParam diagram
Activity diagram in package 'Trip'

Search Trip Services_ActivityGraphWithParam
Version 1.0
Bob Logan created on 24/10/2016. Last modified 24/10/2016
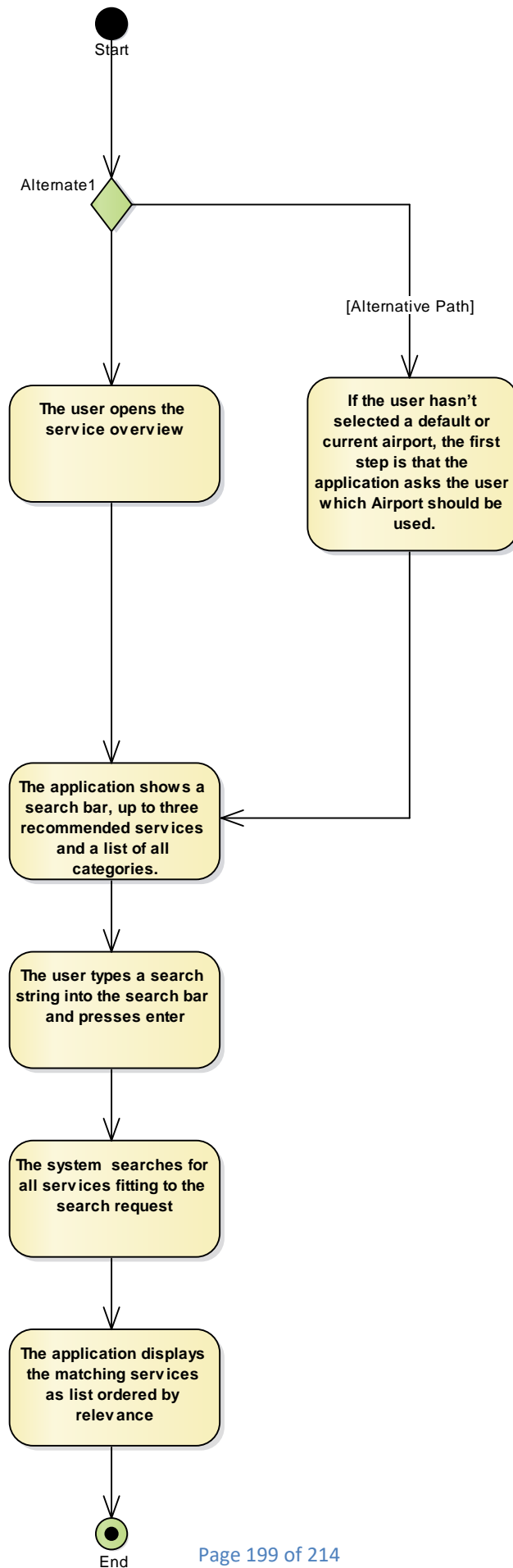
Start

Alternate1

[Alternative Path]

The user opens the service overview

If the user hasn't selected a default or current airport, the first step is that the application asks the user which Airport should be used.

The application shows a search bar, up to three recommended services and a list of all categories.

The user types a search string into the search bar and presses enter

The system searches for all services fitting to the search request

The application displays the matching services as list ordered by relevance

End

If the user hasn't selected a default or current airport, the first step is that the application asks the user which Airport should be used.
Activity owned by 'Search Trip Services_ActivityGraphWithParam', in package 'Trip'

If the user hasn't selected a default or current airport, the first step is that the application asks the user which Airport should be used.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application displays the matching services as list ordered by relevance
Activity owned by 'Search Trip Services_ActivityGraphWithParam', in package 'Trip'

The application displays the matching services as list ordered by relevance
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The application shows a search bar, up to three recommended services and a list of all categories.
Activity owned by 'Search Trip Services_ActivityGraphWithParam', in package 'Trip'

The application shows a search bar, up to three recommended services and a list of all categories.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The system searches for all services fitting to the search request
Activity owned by 'Search Trip Services_ActivityGraphWithParam', in package 'Trip'

The system searches for all services fitting to the search request
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user opens the service overview
Activity owned by 'Search Trip Services_ActivityGraphWithParam', in package 'Trip'

The user opens the service overview
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user types a search string into the search bar and presses enter
Activity owned by 'Search Trip Services_ActivityGraphWithParam', in package 'Trip'

The user types a search string into the search bar and presses enter
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Alternate1
DecisionNode owned by 'Search Trip Services_ActivityGraphWithParam', in package 'Trip'

Alternate1
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End
ActivityFinal owned by 'Search Trip Services_ActivityGraphWithParam', in package 'Trip'

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

Start
ActivityInitial owned by 'Search Trip Services_ActivityGraphWithParam', in package 'Trip'

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

7.2.9.7 Show Trip Information

UseCase in package 'Trip'

There has to be a view to show all the information about the Trip the application has collected during the interaction with the user. Especially all Booked service for or during the trip and all Flights used durinng this trip

<div align="right">

Show Trip Information
Version 1.0 Phase 1.0 Proposed
Raymond created on 04/08/2015. Last modified 19/11/2015

</div>

Basic Path

Show Trip Information:

[1] The user clicks/taps on the trip from the list showing all trips. [2] The application shows a list of all elements (flights, booked services, …) for that trip.

Show Trip Information_ActivityGraph
Activity owned by 'Show Trip Information', in package 'Trip'

<div align="right">

Show Trip Information_ActivityGraph
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Show Trip Information_ActivityGraph diagram
Activity diagram in package 'Trip'

<div align="right">

Show Trip Information_ActivityGraph
Version 1.0
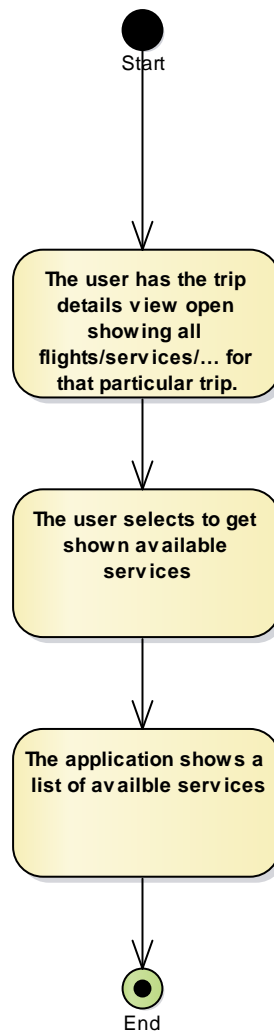Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>
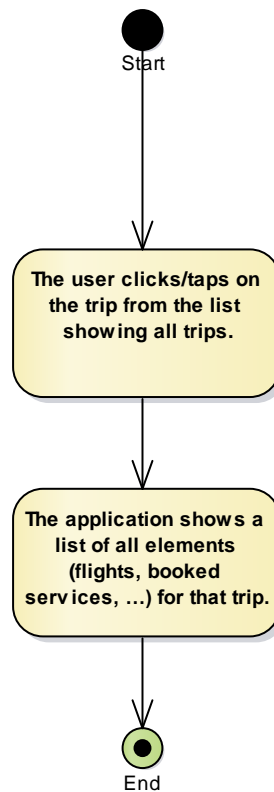
Figure 70: Show Trip Information_ActivityGraph

The application shows a list of all elements (flights, booked services, …) for that trip.
Activity owned by 'Show Trip Information_ActivityGraph', in package 'Trip'

The application shows a list of all elements (flights, booked services, …) for that trip.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

The user clicks/taps on the trip from the list showing all trips.
Activity owned by 'Show Trip Information_ActivityGraph', in package 'Trip'

The user clicks/taps on the trip from the list showing all trips.
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

End

ActivityFinal owned by 'Show Trip Information_ActivityGraph', in package 'Trip'

<div align="right">

End
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

Start

ActivityInitial owned by 'Show Trip Information_ActivityGraph', in package 'Trip'

<div align="right">

Start
Version 1.0 Phase 1.0 Proposed
Bob Logan created on 24/10/2016. Last modified 24/10/2016

</div>

7.3   Interface Models diagram

Package diagram in package 'Interface Models'

Interface Models
Version 1.0
Bob Logan created on 28/10/2016. Last modified 28/10/2016

Book Services

- + Book Service
- + Service Elements
- + Service Form Elements
- + Service Form Page
- + Service Header
- + Content Category
- + Content Key
- + Element Type

Airline

- + Airline
- + Airline Contact
- + logo
- + websites

Airport

- + Airport
- + Airport Coordinate
- + Airport Country
- + Airport Current Queue Times
- + Airport Forecast Queue Times
- + Airport Image URL
- + Airport Postal Address
- + Airport Visitors Address
- + Country Flag URL

Flights

- + ACRIS Flight
- + Aircraft Type
- + Arrival
- + Baggage Claim
- + Boarding Time
- + Check-In Info
- + Code Shares
- + Departure
- + Flight Number
- + Operating Airline
- + Via
- + Via Arrival
- + Via Baggage Claim
- + Via Boarding Time
- + Via Check-In Info
- + Via Departure
- + Flight Status

Services

- + Desciption Image Vertical
- + Description Image Horizontal
- + Icon
- + Logo
- + Provider
- + Provider Contact
- + Service
- + Service Bulletpoints
- + Service Item
- + Service Locations
- + Service Tables
- + Service Texts
- + Specials
- + Title Image
- + Title Image Small

Trips

- + Trip
- + Trip Services

Figure 71: Interface Models

7.3.1 Services diagram
Class diagram in package 'Services'

Services
Version 1.0
Architecture Programme Manager created on 26/10/2016. Last modified 27/10/2016

Title Image
+ high: url
+ low: url
+ medium: url
+ native: url

Desciption Image Vertical
+ high: url
+ low: url
+ medium: url
+ native: url

Description Image Horizontal
+ high: url
+ low: url
+ medium: url
+ native: url

Logo
+ Logo High: url
+ Logo Low: url
+ Logo Medium: url
+ Logo Native: url

Provider
+ contact: Provider Contact
+ email: string
+ fax: string
+ id: object
+ logo: Logo
+ name: string
+ phone: string
+ website: uri

Provider Contact
+ country-name: string
+ country-tag: string
+ extended-address: string
+ locality: string
+ post-office-box: string
+ postal-code: string
+ region: string
+ street-address: string

Service Bulletpoints
+ elements: array string
+ footerText: string
+ headerText: string
+ order: integer
+ title: string

Service Locations
+ area: string
+ description: string
+ externalId: string
+ humanReadable: string
+ locationId: object
+ map image high: url
+ map image low: url
+ map image medium: url
+ map image native: url
+ mapImage: image.schema.json
+ opening Hours column1: string
+ opening Hours column2: string
+ openingHours: array object
+ x: number
+ y: number
+ z: number

Service Tables
+ footerText: string
+ headerText: string
+ order: integer
+ position: string
+ row-column1: string
+ row-column2: string
+ rows: array object
+ title: string

Service Texts
+ order: integer
+ text: string
+ title: string

Specials
+ begin: date
+ coupon: string
+ description: string
+ end: date
+ id: object
+ image: image.schema.json
+ Image High: url
+ Image low: url
+ Image Medium: url
+ Image Native: url
+ name: string
+ numberOfAvailable: number

Title Image Small
+ high: url
+ low: url
+ medium: url
+ native: url

Icon
+ high: url
+ low: url
+ medium: url
+ native: url

Service
+ airportId: object
+ desciptionImage_vertical: Desciption Image Vertical
+ descriptionImage_horizontal: Description Image Horizontal
+ serviceDownloads: array uri
+ serviceId: object
+ serviceProvider: provider.full.schema.json
+ specials: Specials
+ titleImage: Title Image
+ titleImage_small: Title Image Small

Service Item
+ description: string
+ icon: Icon
+ isBookable: boolean
+ serviceBulletpoints: Service Bulletpoints
+ serviceTables: Service Tables
+ serviceTexts: Service Texts
+ shortDescription: string
+ subTitle: string
+ title: string

Figure 72: Services

7.3.2 Trips diagram
Class diagram in package 'Trips'

Trips
Version 1.0
Raymond created on 27/10/2016. Last modified 27/10/2016

Trip
+ endDate: date-time
+ flights: string
+ name: string
+ role: enum self pickup serviceProvider
+ services: Trip Services
+ startDate: date-time
+ tripID: object

Trip Services
+ bookingID: object
+ serviceID: object
+ source: object

Figure 73: Trips

7.3.3 Airline diagram

Class diagram in package 'Airline'

Airline
Version 1.0
Architecture Programme Manager created on 26/10/2016. Last modified 27/10/2016

logo	
+	high: url
+	low: url
+	medium: url
+	native: url

Airline	
+	AirlineID: object
+	airlineName
+	checkIn: string
+	checkInTime: string
+	contact: Airline Contact
+	email: string
+	faxNumber: string
+	flightNumberCode: string
+	handlingAgent: string
+	iataCode: string
+	icaoCode: string
+	info: string
+	lateNightArea: string
+	lateNightTimes: string
+	logo: logo
+	onlineCheckInURL: uri
+	serviceTime: string
+	telephoneNumber: string
+	terminal: string
+	websites: websites

Airline Contact	
+	country-name: string
+	country-tag: string
+	extended-address: string
+	locality: string
+	post-office-box: string
+	postal-code: string
+	region: string
+	street-address: string

websites	
+	websites

Figure 74: Airline

Class diagram in package 'Airport'

Airport
Version 1.0
Architecture Programme Manager created on 25/10/2016. Last modified 27/10/2016

Airport Forecast Queue Times
+ forecastConfidence: number
+ forecastProjectedWaitTime: number
+ forecastQueueId: string
+ forecastQueueName: string
+ forecastTime: string

Airport
+ airportID: object
+ airportImageURL: Airport Image URL
+ airportName: string
+ cityName: string
+ coordinate: Airport Coordinate
+ country: Airport Country
+ currentQueueTimes: Airport Current Queue Times
+ forecastQueueTimes: Airport Forecast Queue Times
+ geofenceRadius: number
+ iataCode: string
+ icaoCode: string
+ postalAddress: Airport Postal Address
+ timezone: string
+ visitorsAddress: Airport Visitors Address

Airport Coordinate
+ elevation: integer
+ latitude
+ longitude

Airport Country
+ countryFlagURL: Country Flag URL
+ countryName: string

Airport Current Queue Times
+ currentProjectedMaxWaitTime: number
+ currentProjectedMinWaitTime: number
+ currentProjectedWaitTime: number
+ currentQueueId: string
+ currentQueueName: string
+ currentTime: string

Airport Image URL
+ high: url
+ low: url
+ medium: url
+ native: url

Airport Postal Address
+ country-name: string
+ country-tag: string
+ extended-address: string
+ locality: string
+ post-office-box: string
+ postal-code: string
+ region: string
+ street-address: string

Airport Visitors Address
+ country-name: string
+ country-tag: string
+ extended-address: string
+ locality: string
+ post-office-box: string
+ postal-code: string
+ region: string
+ street-address: string

Country Flag URL
+ Country Flag URL High: url
+ Country Flag URL low: url
+ Country Flag URL Medium: url
+ Country Flag URL Native: url

Figure 75: Airport

7.3.5 Book Services diagram
Class diagram in package 'Book Services'

Book Services
Version 1.0
Raymond created on 27/10/2016. Last modified 27/10/2016

Service Elements

+ contentCategory: Content Category
+ contentKey: Content Key
+ contentValue: string
+ descriptionText: string
+ editable: boolean
+ elementType: Element Type
+ errorText: string
+ id: object
+ mandatory: boolean
+ value: string
+ valueDefinition: string

Book Service

+ serviceFormPage: Service Form Page
+ serviceHeader: Service Header

«enumerati...
Content Category

Attributes
+ gender
+ firstName
+ familyName
+ fullName
+ street
+ zip
+ city
+ country
+ birthday
+ email
+ tel
+ date
+ time
+ airline
+ flightNr

«enumeration»
Content Key

Attributes
+ departure
+ arrival
+ TermCondition

«enumerati...
Element Type

Attributes
+ text
+ textbox
+ number
+ date
+ time
+ selectList
+ checkbox
+ image
+ telephone

Service Form Elements

+ footerText: string
+ id: object
+ serviceElements: Service Elements
+ subtitle: string
+ title: string

Service Form Page

+ id: object
+ serviceFormElements: Service Form Elements
+ title: string
+ wizardStep: integer

Service Header

+ bookingID: object
+ bookingStatus: bookingStatus.schema.json
+ currentWizardStep: integer
+ description: string
+ extBookingID: string
+ paymentURL: uri
+ serviceID: object

Figure 76: Book Services

7.3.6   Flights diagram

Class diagram in package 'Flights'

Flights
Version 1.0
Raymond created on 27/10/2016. Last modified 27/10/2016

Baggage Claim

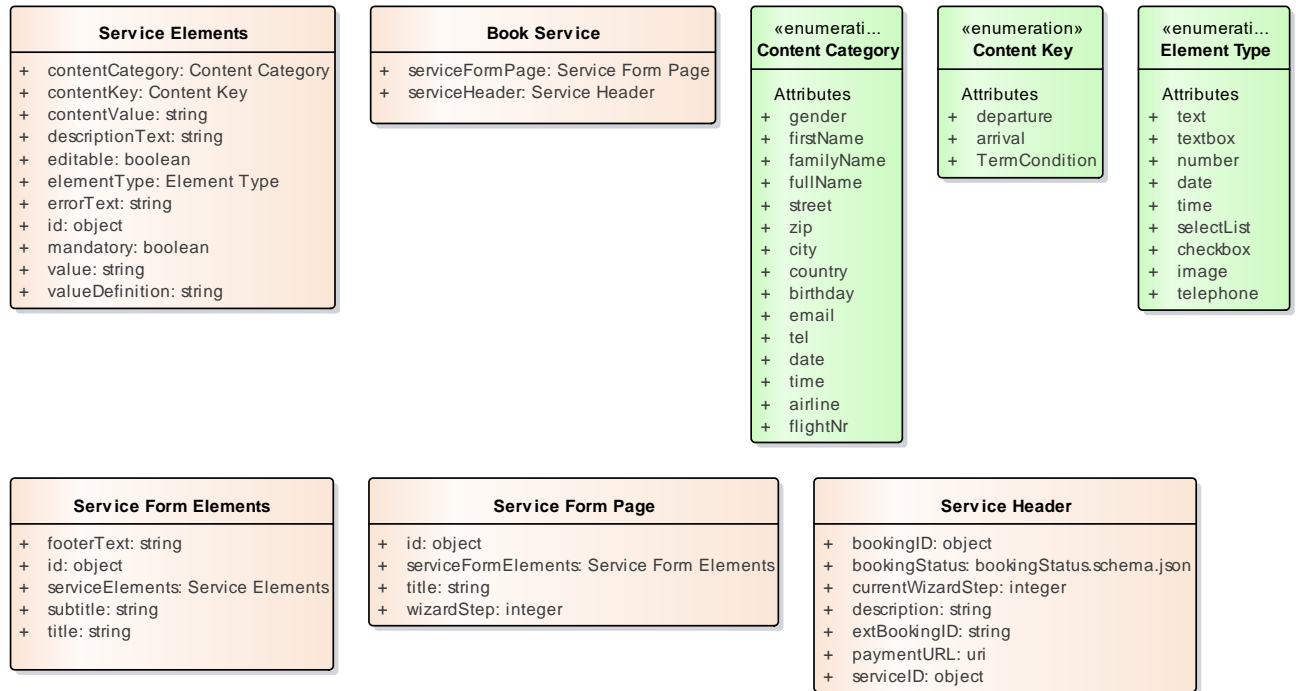+ carousel: string
+ expectedTimeOnCarousel: date-time

ACRIS Flight

+ aircraftType: Aircraft Type
+ arrival: Arrival
+ arrivalAirport: string
+ codeShares: Code Shares
+ departure: Departure
+ departureAirport: string
+ flightNumber: Flight Number
+ flightStatus: Flight Status
+ operatingAirline: Operating Airline
+ originDate: date-time
+ via: Via

Aircraft Type

+ icaoCode: string
+ modelName: string
+ registration: string

Arrival

+ actual: date-time
+ baggageClaim: Baggage Claim
+ estimated: date-time
+ gate: string
+ scheduled: date-time
+ terminal: string
+ transferInformation: string

Boarding Time

+ bookingClass: string
+ time: date-time

Check-In Info

+ additionalInfo: string
+ checkInBeginTime: date-time
+ checkInEndTime: date-time
+ checkinLocation: string

Code Shares

+ airlineCode: string
+ suffix: string
+ trackNumber: string

Departure

+ actual: date-time
+ boardingTime: Boarding Time
+ checkinInfo: Check-In Info
+ estimated: date-time
+ gate: string
+ scheduled: date-time
+ terminal: string

Flight Number

+ airlineCode: string
+ suffix: string
+ trackNumber: string

«enumeration»
Flight Status

Attributes
+ Canceled
+ Diverted
+ Scheduled
+ Boarding
+ GateClosed
+ Departed
+ InApproach
+ Landed
+ BagClaimStarted
+ FlightFinished

Operating Airline

+ iataCode: string
+ icaoCode: string
+ name: string

Via

+ arrival: Via Arrival
+ departure: Via Departure
+ viaAirport: string

Via Arrival

+ actual: date-time
+ baggageClaim: Via Baggage Claim
+ estimated: date-time
+ gate: string
+ scheduled: date-time
+ terminal: string
+ transferInformation: string

Via Baggage Claim

+ carousel: string
+ expectedTimeOnCarousel: date-time

Via Boarding Time

+ bookingClass: string
+ time: date-time

Via Check-In Info

+ additionalInfo: string
+ checkInBeginTime: date-time
+ checkInEndTime: date-time
+ checkinLocation: string

Via Departure

+ actual: date-time
+ boardingTime: Via Boarding Time
+ checkinInfo: Via Check-In Info
+ estimated: date-time
+ gate: string
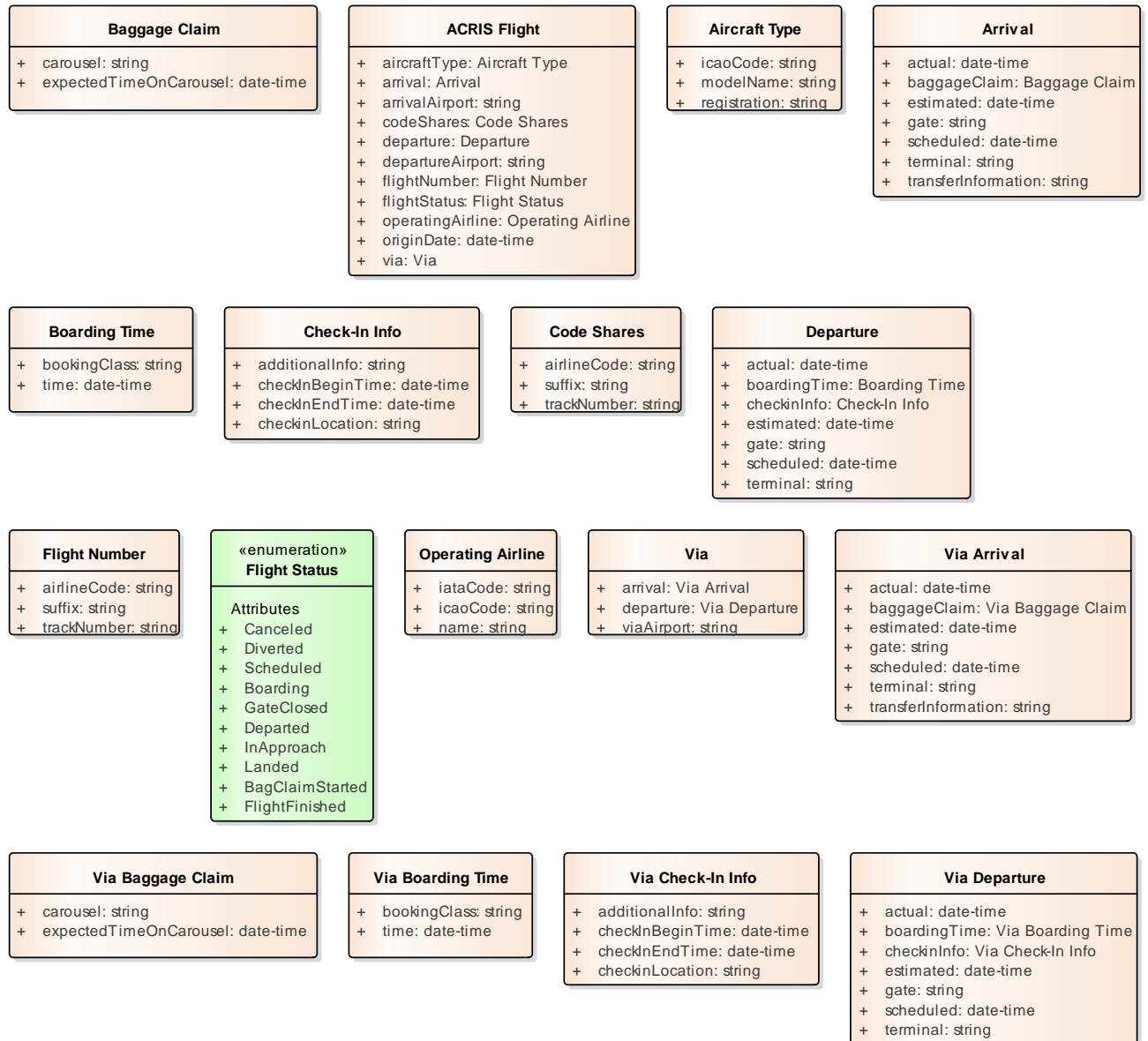+ scheduled: date-time
+ terminal: string

Figure 77: Flights

8 Management and Further Development of the Standard

The ACI ACRIS Seamless Travel standard consists of three components:

1. The Business Requirement Document
2. The Implementation Guideline
3. Supporting files that contain implementation details for the interfaces and data models (RAML, JSON Schema)

As these three files build on one another, they are not to be updated without reflecting these changes in the others. Any change in the implementation guidelines for example would need to be reflected in the supporting files as well.

Version 1.0 was approved by the ACI World Airport IT Standing Committee (WAITSC).

For the further development of Seamless Travel a transparent a fast approach towards changes is intended:

Minor Changes

If show-stopping bugs, discrepancies, misspellings, etc. are found the most recent WAITSC-approved version of this standard, there is a fast track that allows rapid troubleshooting. These changes need to be brought up to the ACRIS technical subgroup for approval. If the subgroup agrees to adopt these changes, a new minor release can be created that keeps its draft status, but is released for implementation.

Naming convention: 1.0, 1.1, …

Major Changes

New features, major renaming or other changes that affect the standard and its implementers are supposed to be developed within a working group and to be submitted to the WAITSC for approval. Unapproved changes from prior minor changes should be merged into these versions.

Naming convention: 1.x, 2.x, …

9 Points of Contact

Organizational Inquiries

This standard was developed within the ACI ACRIS Seamless Travel Working Group. For all organizational inquiries please get in contact with:

Airport Council International (ACI) World

Serge Yonke Nguewo
Senior Manager, Facilitation and IT
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Montréal, Québec H4Z 1G8
Canada

SYonkeNguewo@aci.aero
Tel: +1 514 373 1239

Technical Inquiries

Regarding technical questions there currently is no formal support of any kind. Since Munich Airport was heavily involved in the development of this standard and has a running instance of Seamless Travel in production, feel free to send your inquiries to the Munich team – however there is no guarantee to receive quick response (as in commercial support).

Munich Airport / Flughafen München	Munich Airport / Flughafen München
Martin Rogal *Head of Development Technologies* Nordallee 25 85356 München-Flughafen Germany martin.rogal@munich-airport.de Tel: +49 89 975 32420	**Sebastian Stiffel** *Business Analyst* Nordallee 25 85356 München-Flughafen Germany sebastian.stiffel@munich-airport.de Tel: +49 89 975 32406

10 Glossary Of Terms

Seamless Travel Working Group:

Which terms should be clarified here (that are not in the Semantic Model)?