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# TravelDream

## System test cases

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# Chapter 1

## Overview

The software product developed is called TravelDream. TravelDream is an e-commerce system that, following our customer's specification, "TravelDream" company, will support its sale process.

TravelDream software implements a lot of functionalities to create basic products to compose a travel with flights, hotels, and preplanned excursions. These predefined travel packages have to be sold to customers. This document bases on the assumptions and functionalities mentioned in the RASD document.

### 1.1 Assumptions

Since the specifics provided by TravelDream are in some points ambiguous or has different ways to be achieved the design and development team has made the following assumption:

- Administrator account is preregistered in TD by developers
- Employees must be registered in TD by the sistem administrator
- Guest can perform registration and become registered clients
- Guest can only register, login if previously registered and receive invitation from a registered client to view a package contained in his travel list or packages contained in the giftlist
- Only registered clients can search packages, personalize a package created by an employee, buy a given package, send a package from the travel list to the cart, pay a given package in the personal cart, view a given giftlist, pay a given package from a given giftlist, send an invitation to view (and/or join) a given package from the personal travel list, send an invitation to view a given giftlist, join an invited package
- The payment of a package must be made in one transaction, is possible only for package in the personal cart or in the gift list of a friend
- A package can be moved from the personal travel list to the personal cart if and only if it has all the required number of join and the required level of personalization (eg. it is not possible to move a package from the travel list to the cart if the departure date is not yet settled or if the package is personalized for 3 people and there is only one join)
- When a customer join an existing package from a friend's travel list, the package appears also in his travel list
- When a customer edit a package shared between his friends, the package is modified in all travel lists
- When a customer buy a package shared between his friends, the package is removed from all travel lists and carts
- Packages in travel lists has to be considered as packages waiting for a further customization
- Packages in carts has to be considered as packages waiting for payment
- Packages must be consistent (eg. the day of the arrival must overlap with the check in date of the hotel, the day of the departure flight must overlap with the check out date of the hotel)

- There must be only one gift list per user
- A given gift list can be viewed only from a user who has received an explicit invitation of the owner

## 1.2 Functionalities

To allow actors to interact through the system and take advantage of its functionalities TD provide some particular features. Here we present the synthesis of these features grouped by actor:

Functionalities for a **guest actor**:

- Register to the system (if not registered yet)
- Login to the system (it is mandatory to register to the system before). This feature is used verytimethe guest wants to switch to an existing account to benefit of its functionalities)
- Receive the invitation to visualize a travel package from a registered friend and visualize it

Functionalities for a **customer actor**:

- Browse and search through offered packages (select date, visualize their availability and other informations)
- Personalize an offered package (add departure and return date, choose from different hotels and pre-planned excursions)
- Add/remove a package from his travel list, his gift list and his cart
- Receive an invitation to visualize a given package (personalized or not) from an other customer
- Visualize a package linked in an invitation
- Join a package from a friend's travel list linked in an invitation from that friend.
- Send to a friend (customer or guest) an invitation to visualize a given travel package (personalized or not).from the personal travel list
- Send to a friend (customer or guest) an invitation to visualize the personal giftlist.
- Receive an invintation to visualize a given giftlist
- Visualize a given giftlist
- Buy packages from his cart and a visualized giftlist
- Buy joined packages
- Log out from the system

Functionalities for an **employee actor**:

- Create/delete/modify basic prodGuest functionalitiesucts
- Compose basic products in predefined travel packages
- Log out from the systemManage registered users (customers)

Functionalities for a **system administrator actor**:

- Add/delete/modify employees
- Add/delete/modify transportation types
- It has all skills and functionalities activated to modify the system and resolve its problems
- Log out from the system

# Chapter 2

## Test cases

This document contains all the test cases that should be checked on the system.

### 2.1 Administrator and employee functionalities

From home page, employees can log in to the system if they have personal access credentials.

<b>Test name</b>	Check that every employee can access into its personal area
<b>Entry condition</b>	Fill the Username and Password fields
<b>Expected result</b>	Correct: the fields are filled with inserted data that they are correct and registered into database Wrong: one or more fields are empty, fields are filled but there are errors in one of them then the system returns an error message
<b>Result</b>	Verified
<b>Observations</b>	The system doesn't show error messages in case of wrong result

<b>Test name</b>	Check that after an access an employee can logout
<b>Entry condition</b>	User is in its personal area
<b>Expected result</b>	The user exits from his personal area and returns to the home page with login form
<b>Result</b>	Verified
<b>Observations</b>	Not found

#### 2.1.1 Manage Basic Product

Basic Product is a set of flights, hotels and excursions. Employees can manage basic product respectively, in particular he can add new basic products or edit an existing basic product.

<b>Test name</b>	Check that an employee can add a transportation
<b>Entry condition</b>	User have to go to the manage basic product/add transportation section
<b>Expected result</b>	Correct: the fields are filled with inserted data that they are correct and registered into database Wrong: one or more fields are empty, fields are filled but there are errors in one of them then the system returns an error message
<b>Result</b>	There is an error on the error message referred on departure and arrival date. When the arrival date is later then the departure date the system show an error message that arrival date must be before to a departure date. It's true the opposite.
<b>Observations</b>	Departure and arrival date must be datetime() but it is a date()

<b>Test name</b>	Check that an employee can add an hotel
<b>Entry condition</b>	User have to go to the manage basic product/add hotel section
<b>Expected result</b>	Correct: the fields are filled with inserted data that they are correct and registered into database Wrong: one or more fields are empty, fields are filled but there are errors in one of them then the system returns an error message
<b>Result</b>	Verified
<b>Observations</b>	Not found

<b>Test name</b>	Check that an employee can add an excursion
<b>Entry condition</b>	User have to go to the manage basic product/add excursion section
<b>Expected result</b>	Correct: the fields are filled with inserted data that they are correct and registered into database Wrong: one or more fields are empty, fields are filled but there are errors in one of them then the system returns an error message
<b>Result</b>	Verified
<b>Observations</b>	Not found

<b>Test name</b>	Check that an employee can edit an existing transportation
<b>Entry condition</b>	User have to go to the manage basic product/edit transportation section
<b>Expected result</b>	With Save button the modified data into the fields are correct and updated on the database With Delete button the transportation is removed from database as offered basic product
<b>Result</b>	Save operation doesn't update the data inserted into modified fields
<b>Observations</b>	Not found

<b>Test name</b>	Check that an employee can edit an existing hotel
<b>Entry condition</b>	User have to go to the manage basic product/edit hotel section
<b>Expected result</b>	With Save button the modified data into the fields are correct and updated on the database With Delete button the hotel is removed from database as offered basic product
<b>Result</b>	Save operation doesn't update the data inserted into modified fields
<b>Observations</b>	Not found

<b>Test name</b>	Check that an employee can edit an existing excursion
<b>Entry condition</b>	User have to go to the manage basic product/edit excursion section
<b>Expected result</b>	With Save button the modified data into the fields are correct and updated on the database With Delete button the excursion is removed from database as offered basic product
<b>Result</b>	Save operation doesn't update the data inserted into modified fields
<b>Observations</b>	Not found

### 2.1.2 Manage Packages

Employee can manage travel packages, in particular he can add new package or edit an existing one.

<b>Test name</b>	Check that an employee can add a package
<b>Entry condition</b>	User have to go to the manage package/create package section
<b>Expected result</b>	Correct: the fields are filled with inserted data that they are correct in all phases and registered into database Wrong: one or more fields are empty, fields are filled but there are errors in one of them then the system returns an error message
<b>Result</b>	It is allowed package creation with an empty name
<b>Observations</b>	Not found

<b>Test name</b>	Check that an employee can manage an existing package
<b>Entry condition</b>	User have to go to the manage package/edit package section
<b>Expected result</b>	With Delete button the package is removed from database as offered predefined package product
<b>Result</b>	Verified
<b>Observations</b>	Deleting a basic product in a package, the system show an error message that it is impossible to do this operation because the basic product is contained in an existing package. Deleting a package, the contained basic products are unchanged in basic product section.

### 2.1.3 Manage Staff

<b>Test name</b>	Check that an administrator can register an employee
<b>Entry condition</b>	User have to go to the manage staff section
<b>Expected result</b>	Correct: the fields are filled with inserted data that they are correct and registered into database Wrong: one or more fields are empty, fields are filled but there are errors in one of them, inserted email is already registered on the database then the system returns an error message
<b>Result</b>	Verified
<b>Observations</b>	Not found

## 2.2 Customer functionalities

<b>Test name</b>	Check that every customer can access into its personal area
<b>Entry condition</b>	Fill the Username and Password fields
<b>Expected result</b>	Correct: the fields are filled with inserted data that they are correct and registered into database Wrong: one or more fields are empty, fields are filled but there are errors in one of them then the system returns an error message
<b>Result</b>	Verified
<b>Observations</b>	The system doesn't show error messages in case of wrong result

<b>Test name</b>	Check that after an access the user can logout
<b>Entry condition</b>	User is in its personal area
<b>Expected result</b>	The user exits from his personal area and returns to the home page with login form
<b>Result</b>	Verified
<b>Observations</b>	Not found

<b>Test name</b>	Check that a customer can personalize a search package
<b>Entry condition</b>	User have to go to the search packages section
<b>Expected result</b>	With Personalize button the selected package is used to be personalized from customer with basic products (departure and arrival flight required) that they are different from the predefined package created by an employee
<b>Result</b>	Verified
<b>Observations</b>	Not found

<b>Test name</b>	Check that a customer can manage the travel list
<b>Entry condition</b>	User have to go to the travel list section
<b>Expected result</b>	If a customer create a package he shows Delete button (the create package is removed from travel list), To Cart button (package is sent to cart) and To Wishlist button (package is sent to wish list) If a customer receives an invitation and: - he is logged into the system, he shows his friend's travel list informations and Join button (relationship between two or more customer on a package) - he is not registered into the system, he shows the login form
<b>Result</b>	Verified
<b>Observations</b>	Not found

<b>Test name</b>	Check that a customer can manage the wish list
<b>Entry condition</b>	User have to go to the wish list section
<b>Expected result</b>	If a customer create a package he shows Delete button (the created package is removed from wish list) If a customer receives an invitation and: - he is logged into the system, he shows Buy button (buy a friend's package) - he is not registered into the system, he doesn't show anything else
<b>Result</b>	Verified
<b>Observations</b>	Not found

<b>Test name</b>	Check that a customer can manage the cart
<b>Entry condition</b>	User have to go to the cart section
<b>Expected result</b>	With Delete button the created package is removed from cart With Buy button the selected package is sent to a payment process (not required)
<b>Result</b>	Verified
<b>Observations</b>	Not found

<b>Test name</b>	Check that a customer can send an invitation to his travel list
<b>Entry condition</b>	User have to go to the invite to the travel list section and fill the Email field
<b>Expected result</b>	With Send button the system sends an email to a inserted friend's email with a package link
<b>Result</b>	Verified
<b>Observations</b>	Not found

<b>Test name</b>	Check that a customer can send an invitation to his wish list
<b>Entry condition</b>	User have to go to the invite to the wish list section and fill the Email field
<b>Expected result</b>	With Send button the system sends an email to a inserted friend's email with a package link
<b>Result</b>	Verified
<b>Observations</b>	Not found



## 2.3 Guest functionalities

<b>Test name</b>	Check that a guest can register as a customer
<b>Entry condition</b>	Fill the Name, Surname, Username, Password and Email fields
<b>Expected result</b>	Correct: the fields are filled with inserted data that they are correct and registered into database Wrong: one or more fields are empty, fields are filled but there are errors in one of them then the system returns an error message
<b>Result</b>	Verified
<b>Observations</b>	Not found

## Chapter 3

# Assumptions compliance

Due to time constraints, join functionalities have been structured but, in particular, the function that count a number of join on a package and sincronize the package into joined user's travellist, it has not been developed yet, then the testing of requirements and assumptions on join functionalities are not verified. The other assumptions are verified.

## Chapter 4

# Project planning

Below there are informations about this phase of project plan of TravelDream.

### 4.1 Overview

The project has started on 1st November 2013 and will finish on 14th February 2014. In more detail, the acceptance testing document has started on 31st January 2014 and will finish on 12 th February 2014.

### 4.2 Milestones: actual phase of delivery

At the moment the actual phase of the project is selected:

Date	Activity
1st November 2013	Group registration
29th November 2013	Requirements analysis and specification document (RASD)
20th Dicember 2013	Design document (DD)
31st January 2014	Implementation
<b>12th February 2014</b>	<b>Acceptance testing</b>
14th February 2014	Project reporting

### 4.3 Project participants

**Leader members** Elisabetta Di Nitto and Marco Miglierina

**Development team members** Christian Crisciullo, Francesco Filipazzi and Giuseppe Taverna

### 4.4 Infographic: group cost

Total hours distribution

