Business Trip Advisor

BUSINSS REQUIREMENTS SPECIFICATION, User Stories

BUSINESS REQUIREMENTS SPECIFICATION, User Stories

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Introduction

## Purpose

The purpose of this document is to define business requirements of internal application Business Trip Advisor.

## Scope

The scope of this document are requirements for implementing application where user could find useful information for his business trip and to add comments and provide information for his colleagues for future trips. Application should cover information regarding life in different countries, accommodation and transportation specifics.

* Life in different countries
* Hints to choose the best accommodation
* How to enjoy your travel – check for transportation experience

And necessary administrative functionalities.

## Out of Scope

## References

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| --- | --- | --- | --- |
| # | Document | Version | Author |
| 1 |  |  |  |
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## Definitions

### Requirement levels

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [RFC 2119](http://tools.ietf.org/html/rfc2119).

### Terms used in this document

|  |  |
| --- | --- |
| Term | Description |
| BTA | Business Trip Advisor |
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# Business Trip Advisor Business Requirements

Application has two roles:

* Traveler – regular user, any employee
* Administrator – user that has additional functionalities and rights

NOTE

Only stories that are specific for administrator, will start with “As administrator…”. Administrator is also regular traveler.

## Epic - Access to the application

### Login

As traveler I want to log in the application.

Description: User could start application with entering his CT credentials. All feedback entered during app usage will be saved with data of logged user.

All pages in the application have displayed data of the logged user (user name).

User: Traveler – any employee

Preconditions:

* + User is CT employee

Input

* User name
* Password

Action

* Remember who is logged in

Output

* Show home page

Server

* Keep info about logged user

### Home page

As traveler I want to choose the topic that interests me currently.

Description: User could go to one of pages of his interest: Life in different countries, Accommodation, Transportation. From any page in the system user could go to home page.

Topic (page of the app) change could be done from menu on pages.  
On home page application purpose should be shown.

User: Traveler – any employee

Preconditions:

* + User is CT employee, logged to application

Input

* Select topic
  + *Life in different countreis*
  + *Choose the best accommodation*
  + *Enjoy your travel*

Action

* Go to selected page

Output

* Show selected page

### Main menu

As traveler I want move to different topics when in app.

Description: User could go to one of pages of his interest Life in different countries, Accommodation, Transportation or to Feedback page where he could see all feedbacks that he add in the app.

User: Traveler – any employee

Preconditions:

* + User is CT employee, logged to application

Input

* Select page
  + *Home page*
  + *Life in different countreis*
  + *Choose the best accommodation*
  + *Enjoy your travel*
  + *Feedbacks*

Action

* Go to selected page

Output

* Show selected page

### Main menu - administrator

As administrator I want move to different topics when in app.

Description: User could go to one of pages of his interest Life in different countries, Accommodation, Transportation or to Feedback page where he could see all feedbacks that he add in the app. Administrator has also Providers page where he is maintaining provider list.

User: BTA administrator

Preconditions:

* + User is CT employee, logged to application
  + User has admin rights

Input

* Select page
  + *Home page*
  + *Life in different countreis*
  + *Choose the best accommodation*
  + *Enjoy your travel*
  + *Feedbacks*
  + *Providers*

Action

* Go to selected page

Output

* Show selected page

## Epic – Life in different countries

### Select destination

As traveler I want to select destination that I want to visit to get information about life in the city.

Description: User could select country/state/city that he want to visit. BTA keep information on City level. User could additionally filter results according to categories of his interest or could see all categories. If user choose only country, information about all cities in that country with existing information in BTA will be presented. .

User: Traveler – any employee

Preconditions:

* + User is CT employee, logged to application
  + User is on page *Life in different countries*

Input

* Select
  + *At least one criteria* 
    - *Country and/or*
    - *State and/or*
    - *City*
  + *Optional Choose category*
    - *Local Transport*
    - *Food & Entertainment*
    - *Safety*
    - *Local Culture*
    - *Airport*

Action

* Each change of criteria cause selection

Output

* Show categories that match selection criteria
* Result should have header City-Category

Server

* If user choose City that has no info in BTA categories for the city, system should add records for all categories for the city

### Read existing data about life in the city

As a traveler, I want to read information about certain category – general info and comments.

Description: When user select destination he could read all data for the destination and category entered in BTA till then – general information and comments of his colleagues (e.g. data about Dublin-Food and entertainment).

User: Traveler – any employee

Preconditions:

* + User is CT employee, logged to application
  + User is on page *Life in different countries*
  + User selected destination

Input

Action

* Select category

Output

* General information for city-category
  + Date when info is entered in the system
* Comments for city-category
  + Date/time when comment is added
  + Comment
  + Name of the author

NOTE – sort comments Date/time descending

### Add comment about life in the city

As a traveler, I want add my comments about life in the city for certain category so that other travelers could have better information when planning their business trips.

Description: User could enter any comment that could be useful for others.

User: Traveler – any employee

Preconditions:

* + User is CT employee, logged to application
  + User is on page *Life in different countries*
  + User selected destination
  + User selected category

Input

* Comment

Action

* Submit

Output

* Comment is added in the list

Server

* Add details in DB
  + User
  + Date/time
  + Comment (city-category)

### Delete comment about life in the city - administrator

As an administrator, I want to delete comment.

Description: Administrator is deleting inappropriate comment.

User: BTA administrator

Preconditions:

* + User is CT employee, logged to application
  + User has admin rights
  + User is on page *Life in different countries*
  + User selected destination
  + User selected category
  + User selected comment

Input

Action

* Delete comment

Output

* Comment is removed from the list.

Server

* Delete comment from DB

### Add information about life in the city- administrator

As an administrator, I want add information for selected city – category.

Description: Administrator is adding useful information for travelers.

User: BTA administrator

Preconditions:

* + User is CT employee, logged to application
  + User has admin rights
  + User is on page *Life in different countries*
  + User selected destination
  + User selected category

Input

* Information

Action

* Submit

Output

* Information is available for all users.
  + Date/time when information is added
  + Information
  + Name of the author

Server

* Add details in DB
  + User
  + Date/time
  + Information for city-category

## Epic – Accommodation

### Select destination

As traveler I want to select destination that I want to visit to get information about available accommodations.

Description: User could select country/state/city that he want to visit. BTA keep information on City level. User could additionally filter results about categories of accommodation or could see all accommodations that match search criteria. If user choose only country, information about accommodations in all cities in that country will be presented. Accommodation capacities that are listed are the ones where our employees went to business trips.

User: Traveler – any employee

Preconditions:

* + User is CT employee, logged to application
  + User is on page *Hints to choose the best accommodation*

Input

* Select
  + *Search criteria* 
    - *Country and/or*
    - *State and/or*
    - *City*
  + *Optional Choose category*
    - *Hotel*
    - *Hostel*
    - *Apartment*
    - *Home*

Action

* Each change of criteria cause selection

Output

* Show accommodations that match selection criteria
* Result is accommodation list and should have this data:
  + Type (hotel, hostel…)
  + Name
  + Address
  + Category (number of stars)
  + Web address

### See accommodation details

As a traveler, I want to see additional details about the accommodation.

Description: When user select accommodation *Details* command if he want to see email and phone of the accommodation.

User: Traveler – any employee

Preconditions:

* + User is CT employee, logged to application
  + User is on page *Hints to choose the best accommodation*
  + User selected accommodation

Input

Action

* Select Details command for the accommodation

Output

* Email
* Phone

### Read existing data about the accommodation

As a traveler, I want to read information about the accommodation – description and feedbacks.

Description: When user select *Feedback* command he could read all data entered in BTA till then – accommodation description and feedbacks of his colleagues.   
Information about number of comments and average rating should be shown.

User: Traveler – any employee

Preconditions:

* + User is CT employee, logged to application
  + User is on page *Hints to choose the best accommodation*
  + User selected destination

Input

Action

* Select Feedback command for the accommodation

Output

* Name
* Number of feedbacks
* Average rate
* Description of the accommodation
* Feedbacks for the accommodation
  + Date/time when feedback is added
  + Rating
  + Comment
  + Name of the author

NOTE – sort feedbacks Date/time descending

### Add feedback about the accommodation

As a traveler, I want add my feedback about the accommodation so that other travelers could have better information when planning their business trips.

Description: User have to enter rating (1-5) and optionally comment that could be useful for others.

User: Traveler – any employee

Preconditions:

* + User is CT employee, logged to application
  + User is on page *Hints to choose the best accommodation*
  + User selected destination
  + User selected accommodation

Input

* Rating
* Optional Comment

Actions

* Select Add feedback command
* Submit

Output

* Feedback is added in the list

Server

* Add details in DB
  + User
  + Date/time
  + Rating
  + Comment

### Check for data about *Life in different countries*

As a traveler, I want see data about life in the city where I am seeking accommodation.

Description: User could go to *Life in different countries* with predefined search criteria – Country/State/City that are defined on accommodation page.

User: Traveler – any employee

Preconditions:

* + User is CT employee, logged to application
  + User is on page *Hints to choose the best accommodation*
  + User selected destination

Input

Action

* Go to *Life in different countries* command

Output

* Show *Life in different countries page, showing details for predefined search criteria*

Server

### Delete comment about the accommodation - administrator

As an administrator, I want to delete comment.

Description: Administrator is deleting inappropriate comment.

User: BTA administrator

Preconditions:

* + User is CT employee, logged to application
  + User has admin rights
  + User is on page *Hints to choose the best accommodation*
  + User selected destination
  + User selected accommodation
  + User select feedback

Input

Action

* Select Delete comment command

Output

* Comment is removed from the feedback.

Server

* Delete comment from feedback

### Add the accommodation - administrator

As an administrator, I want to add new accommodation in the BTA.

Description: Administrator is adding data about accommodation where our employees could travel.

User: BTA administrator

Preconditions:

* + User is CT employee, logged to application
  + User has admin rights
  + User is on page *Hints to choose the best accommodation*

Input

* Data about accommodation
  + Information
    - Mandatory
      * Name
      * Type
    - Optional
      * Star rating
      * Email
      * Phone
      * Description
  + Address
    - Mandatory
      * Country
      * City
      * Address
    - Optional
      * State
      * Postal code
      * Street name
      * Street number

Action

* Select Add accommodation command
* Submit

Output

* Accommodation is available.

Server

* Add accommodation details in DB
* Additional data
  + User
  + Date/time

### Edit the accommodation - administrator

As an administrator, I want to change data in the accommodation in the BTA.

Description: Administrator is editing data about the accommodation.

User: BTA administrator

Preconditions:

* + User is CT employee, logged to application
  + User has admin rights
  + User is on page *Hints to choose the best accommodation*
  + User selected accommodation

Input

* Data about accommodation that could be changed
  + Information
    - Mandatory
      * Name
      * Type
    - Optional
      * Star rating
      * Email
      * Phone
      * Description
  + Address
    - Mandatory
      * Country
      * City
      * Address
    - Optional
      * State
      * Postal code
      * Street name
      * Street number

Action

* Select Edit accommodation command
* Submit

Output

* Accommodation details are updated and available.

Server

* Update accommodation details in DB
* Additional data
  + User
  + Datetime

## Epic – Transportation

**Transportation is specified with:**

* **City from**
* **City to**
* **Transportation type**
* **Transportation provider**

### Select destination

As traveler I want to select destination that I want to visit to get information about ways of transport that could be used or to add comment that would be useful for others that will be traveling to the destination.

Description: User could select country/state/city that he want to visit, specifying Destination from and Destination to. BTA keep information on City from-City to level. User could additionally filter results regarding transport type (airplane, bus,…) and transport provider for chosen transport type (for airplane – AirSerbia, Ryanair,…) or could see all transportation that match search criteria - Destination from and Destination to. If user choose only country from/to information about transportations where cities from/to in that country have already data in BTA will be presented. Transportations that are listed are the ones where our employees already enter some comment.

User: Traveler – any employee

Preconditions:

* + User is CT employee, logged to application
  + User is on page *How to enjoy your travel*

Input

* Select
  + *Search criteria* 
    - *Country From and/or*
    - *City From*
    - *Country To and/or*
    - *City To*
  + *Optional choose transportation type*
    - *Airplane*
    - *Bus*
    - *Company car*
    - *Rent a car*
    - *Train*
    - *Taxi*
  + *Optional choose provider*

*Filter providers according to chosen transportation type*

Action

* Each change of criteria cause selection

Output

* Show transportations that match selection criteria
* Result is transportation list and should have this data:
  + Type (airplane, bus,…)
  + City (Country) from - City (Country) to
  + Provider name

Server

* If user select set (city form, city to, type, provider) that has no info in BTA add record for this transportation automatically.

### See transportation provider details

As a traveler, I want to see additional details about the transportation provider.

Description: User select transportation *Details* command if he want to see additional data about transport provider.

User: Traveler – any employee

Preconditions:

* + User is CT employee, logged to application
  + User is on page *How to enjoy your travel*
  + User selected transportation

Input

Action

* Select Details command for the transportation

Output

* Data that exists in BTA about the provider
  + Name
  + Country
  + City
  + Address
  + Phone
  + Contact

### Read existing data about transportation

As a traveler, I want to read information about the transportation – provider description and feedbacks.

Description: When user select *Feedback* command he could read all data entered in BTA till then – provider description and feedbacks of his colleagues about traveling from city to city with specified transportation type and provider.   
Information about number of comments and average rating should be shown.

User: Traveler – any employee

Preconditions:

* + User is CT employee, logged to application
  + User is on page *How to enjoy your travel*
  + User selected destination
  + User selected transportation

Input

Action

* Select Feedback command for the transportation

Output

* Transportation
* Number of feedbacks
* Average rate
* Description of the provider
* Feedbacks for the transportation
  + Date/time when feedback is added
  + Rating
  + Comment
  + Name of the author

NOTE – sort feedbacks Date/time descending

### Add feedback about transportation

As a traveler, I want add my feedback about the transportation so that other travelers could have better information when planning their business trips.

Description: User have to enter rating (1-5) and optionally comment that could be useful for others.

User: Traveler – any employee

Preconditions:

* + User is CT employee, logged to application
  + User is on page *How to enjoy your travel*
  + User selected destination
  + User selected transportation

Input

* Rating
* Optional Comment

Actions

* Select Add feedback command
* Submit

Output

* Feedback is added in the list

Server

* Add details in DB
  + User
  + Date/time
  + Rating
  + Comment

### Check for data about *Life in different countries*

As a traveler, I want see data about life in the city where I am traveling.

Description: User could go to *Life in different countries* with predefined search criteria – Country/City To that are defined on transportation page.

User: Traveler – any employee

Preconditions:

* + User is CT employee, logged to application
  + User is on page *How to enjoy your travel*
  + User selected destination

Input

Action

* Go to *Life in different countries* command

Output

* Show *Life in different countries page, showing details for predefined search criteria*

Server

### Delete comment about transportation - administrator

As an administrator, I want delete comment.

Description: Administrator is deleting inappropriate comment.

User: BTA administrator

Preconditions:

* + User is CT employee, logged to application
  + User has admin rights
  + User is on page *How to enjoy your travel*
  + User selected destination
  + User selected transportation
  + User selected feedback

Input

Action

* Select Delete comment command

Output

* Comment is removed from the feedback.

Server

* Delete comment from feedback

## Epic – Feedbacks

### Show feedback

As a traveler, I want to see all my feedbacks/comments that I entered in BTA.

Description: User want to check for all his feedbacks.

User: BTA administrator

Preconditions:

* + User is CT employee, logged to application
  + User has admin rights
  + User is on page Feedbacks

Input

* Optional User name

Actions

Output

* Feedbacks of the user:
  + Feedback specific
    - City-category or
    - Accommodation – name, country
    - Transportation – City from-City to, Provider
  + Name
  + Date/time
  + Comment
  + Rating (optional)

Feedbacks are sorted in by Date/time in descending order.

### Show feedback - administrator

As administrator, I want to see all feedbacks/comments that are entered in BTA.

Description: User want to check for all feedbacks in the system. Administrator could filter feedbacks by the user that entered comment.

User: BTA administrator

Preconditions:

* + User is CT employee, logged to application
  + User has admin rights
  + User is on page Feedbacks

Input

Actions

Output

* Feedbacks of the user:
  + Feedback specific
    - City-category or
    - Accommodation – name, country
    - Transportation – City from-City to, Provider
  + Name
  + Date/time
  + Comment
  + Optional Rating

Feedbacks are sorted in by Date/time in descending order.

### Delete comment - administrator

As administrator, I want to delete selected comment.

Description: User want to delete comment from the feedback in the system.

User: BTA administrator

Preconditions:

* + User is CT employee, logged to application
  + User has admin rights
  + User is on page Feedbacks
  + User selected the feedback

Input

Action

* Select Delete comment command

Output

* Comment is removed from the feedback.

Server

* Delete comment from feedback

## Epic – Provider

### Select provider - administrator

As an administrator I want to select provider whose data I want to see/change.

Description: Administrator could select provider by name.  
If no name is selected list of all providers in BTA will be shown.

User: BTA administrator

Preconditions:

* + User is CT employee, logged to application
  + User has admin rights
  + User is on page *Providers*

Input

* Select
  + *Search criteria* 
    - *Optional Provider name*

Action

* Each change of criteria cause selection

Output

* Show providers that match selection criteria
* Result is provider list and could have this data:
  + Mandatory
    - Name
    - Type
      * *Airplane*
      * *Bus*
      * *Company car*
      * *Rent a car*
      * *Train*
      * *Taxi*
  + Optional
    - Contacts
    - Country
    - City
    - Address
    - Street name
    - Street number
    - Phone
* BTA shows only data that exist for the provider

### Add provider - administrator

As an administrator, I want to add new transport provider in the BTA.

Description: Administrator is adding data about transport provider for which we organize business trip for our employee.

User: BTA administrator

Preconditions:

* + User is CT employee, logged to application
  + User has admin rights
  + User is on page *Providers*

Input

* Data about provider
  + Mandatory
    - Name
    - Type
      * *Airplane*
      * *Bus*
      * *Company car*
      * *Rent a car*
      * *Train*
      * *Taxi*
  + Optional
    - Contacts
    - Country
    - City
    - Address
    - Street name
    - Street number
    - Phone

Action

* Select Add provider
* Submit

Output

* Provider is available.

Server

* Add provider details in DB
* Additional data
  + User
  + Datetime

### Edit provider - administrator

As an administrator, I want to change data of the provider in the BTA.

Description: Administrator is editing data about the provider.

User: BTA administrator

Preconditions:

* + User is CT employee, logged to application
  + User has admin rights
  + User is on page *Providers*
  + User selected provider

Input

* Data about accommodation that could be changed
  + Mandatory
    - Name
    - Type
      * *Airplane*
      * *Bus*
      * *Company car*
      * *Rent a car*
      * *Train*
      * *Taxi*
  + Optional
    - Contacts
    - Country
    - City
    - Address
    - Street name
    - Street number
    - Phone

Action

* Select Edit provider command
* Submit

Output

* Provider details are updated and available.

Server

* Update provider details in DB
* Additional data
  + User
  + Datetime