

# Use Cases Tourismus-Bilder

Eine Web-Anwendung mit Datenbank

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# Distribution of the roles on the Website

## **Administrator:**

The administrator role belongs to the editors of the website. They have access to all functions, codes, and databases. After the launch of the website, administrators are only requested to eliminate any system errors.

## **Moderation User:**

This role belongs to employees of the tourism office of the region. Their job is to check the map for any attractions or collection of pictures in an area, which isn't defined as a point of interest yet.

## **User of the website:**

All visitors of the website with an existing account. Everyone can create an account. As soon as they did that, they get the possibility to upload pictures and join the competition for the picture of the month. They are also enabled to give credits in the form of likes.

## **Visitor of the website:**

Everyone without an existing account. They are able to search pictures in a specific area. But they aren't able to upload pictures or like pictures.

# Use Case 1: User creates an new account

**Abstract:**

A User wants to create an account and want to upload pictures of his stay in the region. On the meantime he would like to join the monthly competition for “the picture of the month”.

**Main actor:**

Visitor of the website (can be everyone with access to the internet and a web-enabled device).

**Application field:**

User goal

**Requirements:**

Access to the internet and a web-enabled device.

**Participants and goals:**

**Website user:** Uncomplicated registration.

**Website owner:** User can create an account without assistance.

**Minimum warrants of the user:**

Email address, forename, surname and password.

**Warrant when success:**

User Account is generated.

**Possible error sources:**

User missed to enter email address, forename, surname or password.

**Rectification:**

Website shows an error message and the position of the missing criteria.

**Main Flow**

USER	SYSTEM
1. starts on website	1. loads website
2. clicks on register	2. shows register-form
3. types email, username, full name and password in input	3. stores the user-data in 'user'-table in the database
4. clicks on submit	4. sends email for confirmation
5. confirms email via email-confirmation	5. receives confirmation + changes status on active

# Use Case 2: User login

**Abstract:**

A User wants access to the main page to upload a picture of his stay.

**Main actor:**

Visitor of the website (can be everyone with access to the internet and a web-enabled device).

**Application field:**

User goal

**Requirements:**

- Access to the internet and a web-enabled device.
- Existing account
- Correct email address and password of the user account.

**Participants and goals:**

**Website user:** Uncomplicated login process.

**Website owner:** User can login without any troubles.

**Minimum warrants of the user:**

Existing account.

**Warrant when success:**

User arrives on the main page of the website.

**Possible error sources:**

- User has no account yet.
- User misses to enter either the password or the email address.
- User uses the wrong email address or password.

**Rectification:**

Website shows an error message and the position of the missing or fault criteria.

**Main Flow**

USER	SYSTEM
1. starts on website	1. loads website
2. clicks on login	2. shows login-form
3. types email and password in input	3. compares input with database table 'user'
4. clicks on submit	

# Use Case 3: Moderation user creates a “Point of Interest”

## Abstract:

A moderation user recognizes a collection of pictures in an area where no “point of interest” has been defined yet. He decides to create a new “point of interest” to collect all the pictures around this area.

## Main actor:

Moderation user of the website (by administrator defined person with access to the internet and a web-enabled device).

## Application field:

Moderation user goal

## Requirements:

- Access to the internet and a web-enabled device.
- Awarded moderation right

## Participants and goals:

**Website moderator:** Uncomplicated way to define a new “point of interest”.

**Website owner:** Moderation user doesn’t need any assistance to create a new “point of interest”.

## Minimum warrants of the moderation user:

Altitude, longitude, title, description, and unsharpness.

## Warrant when success:

Moderator has created a new “point of interest” and all pictures within the defined unsharpness of altitude and longitude are now collected in the same “point of interest”.

## Possible error sources:

- User misses to enter either altitude, longitude, title, description or unsharpness.

## Rectification:

Website shows an error message and the position of the missing or fault criteria.

## Main Flow

USER	SYSTEM
1. clicks on ‘+’-button	1. shows the ‘+’-option “Point-of-Interest” only to ‘moderator’-users
2. chooses ‘Point-of-Interest’ in the menu	2. shows the form
3. enters data (alt, long, title, description)	

4. clicks on submit	3. stores the data in the database
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# Use Case 4: User uploads a new picture

## Abstract:

A Website user wants to upload a new picture of his stay and participate at the meantime on the competition for the “picture of the month”.

## Main actor:

User of the website (can be everyone with an existing account, access to the internet and a web-enabled device).

## Application field:

User goal

## Requirements:

- Access to the internet and a web-enabled device.
- Existing user Account

## Participants and goals:

**Website moderator:** Uncomplicated way to upload a new picture.

**Website owner:** User doesn't need any assistance to upload a new picture.

## Minimum warrants of the user:

Altitude, longitude, title, description of the captured picture.

## Warrant when success:

Picture is uploaded and appears on the map.

## Possible error sources:

User misses to enter either altitude, longitude, title or description.

## Rectification:

Website shows an error message and the position of the missing criteria.

## Main Flow

USER	SYSTEM
1. clicks on '+'-button	1. shows the '+'-option “picture”
2. chooses 'picture' in the menu	2. shows the form
3. selects picture on filesystem	3. checks if picture is within requirements
4. enters data (title, description, alt, long)	4. checks if needed data is entered
5. clicks on upload	5. stores the picture and data in database

# Use Case 5: User likes picture

**Abstract:**

A User is watching the existing pictures in a specific area. Then he sees a picture which he admires and he decides to give credit to the capturer with a like.

**Main actor:**

Visitor of the website (can be everyone with an existing account, access to the internet and a web-enabled device).

**Application field:**

User goal

**Requirements:**

- Access to the internet and a web-enabled device.
- Existing account

**Participants and goals:**

**Website user:** Giving credits to the capturer by pressing the like button.

**Website owner:** User can push the like button and the system adds one like to the picture.

**Minimum warrants of the user:**

- Existing account.
- Push on the like button.

**Warrant when success:**

Picture owns one more like than before.

**Possible error sources:**

- User clicks besides the "like button".

**Rectification:**

User recognizes that the new like isn't added to the picture and he clicks again, this time on the button.

**Main Flow**

USER	SYSTEM
1. opens a picture	1. shows the picture
2. clicks on 'like'-button	2. updates data in database and displays the updated like-number



# Use Case 6: User searches pictures of a particular place

**Abstract:**

A User wants see pictures of a particular place he might want to visit in the future.

**Main actor:**

Visitor of the website (can be everyone with access to the internet and a web-enabled device).

**Application field:**

User goal

**Requirements:**

-Access to the internet and a web-enabled device.

**Participants and goals:**

**Website visitor:** Easy way to find pictures from other tourists of a particular place.

**Website owner:** User can easily find pictures of a particular place.

**Minimum warrants of the user:**

Entering keywords of the particular place that the visitor is looking for and click on search.

**Warrant when success:**

Website shows pictures which were captured at this place.

**Possible error sources:**

There are no pictures captured at this place yet.

**Rectification:**

Website shows an error message that there are no pictures uploaded from this particular place yet.

**Main Flow**

USER	SYSTEM
1. clicks on 'search'	1. compares search-input with 'Point of Interest'-table
2. enters name of place or chooses place from a list	2. shows the matching place
3. clicks on submit	3. shows map with chosen Point of Interest in middle
4. views the pictures	4. shows the pictures