

# **ER: Requirements Specification**

Travelers all around the globe flood the internet with searches regarding recommendations for their trips. Travaholic shows up as a powerful solution and tool for all of them providing a social platform that allows them to question and answer other users.

## **A1: Travaholic**

With this project, we aim to create a platform where people who are interested in traveling or intend to travel somewhere can ask questions and/or provide answers with the intent of helping others who want to travel.

We believe that, due to the exponential growth of traveling and how accessible it has become, it is imperative to have an application that provides a trusted resource for travelers with valued advice and insights from the community. Every affirmation or opinion stated is subjected to the approval (or not) of contributors, guaranteeing that no misinformation is spread. We're providing an archive complete with every possible question one might come across when planning a trip - from trivial logistical issues to personal preferences and suggestions.

The website's main functionalities are asking and answering questions related to travel. Both can also be commented on when doubt about its content arises. Questions, answers, and comments can be upvoted or downvoted by other users to promote relevant contributions while hiding irrelevant ones. Any malicious content can be reported and later deleted. Questions fall into different categories; going from location as in city or country to a specific topic such as destination types or form of transport. Every question, answer, and comment can be edited by its creator. Homepages are personalized, by prioritizing questions that share tags with the user's interests and location. When conducting searches, if no exact result (question, answer, or comment) is found, similar ones are presented. Furthermore, previously mentioned elements like tags, locations, and ratings can be used to filter the results shown, along with dates.

Users are separated into three distinct groups with different permissions. The visitor group includes people who aren't logged in and can only see previously posted questions, comments, and answers. The authenticated group includes those who, after logging into their account, can not only ask and answer questions but also leave comments, upvote or downvote an entry and report any malicious content. They also have access to their personal space, where they can determine their preferences and interests, ensuring a more customized homepage. The administrator includes those who can move questions from one section to another, remove offensive comments, replies, or users, they can also change critical parts of the platform like creating new sections or changing the look of the website. In order to streamline their work, through a dashboard, the administrators also have access to all the reports that have been made and can review them, deciding to take further actions such as removing the comments/replies, banning a user, or even completely deleting a question and all its contents.

## **A2: Actors and User stories**

In this artifact, we showcase the actors and user stories related to our project which form its requirements.

### **Actors**

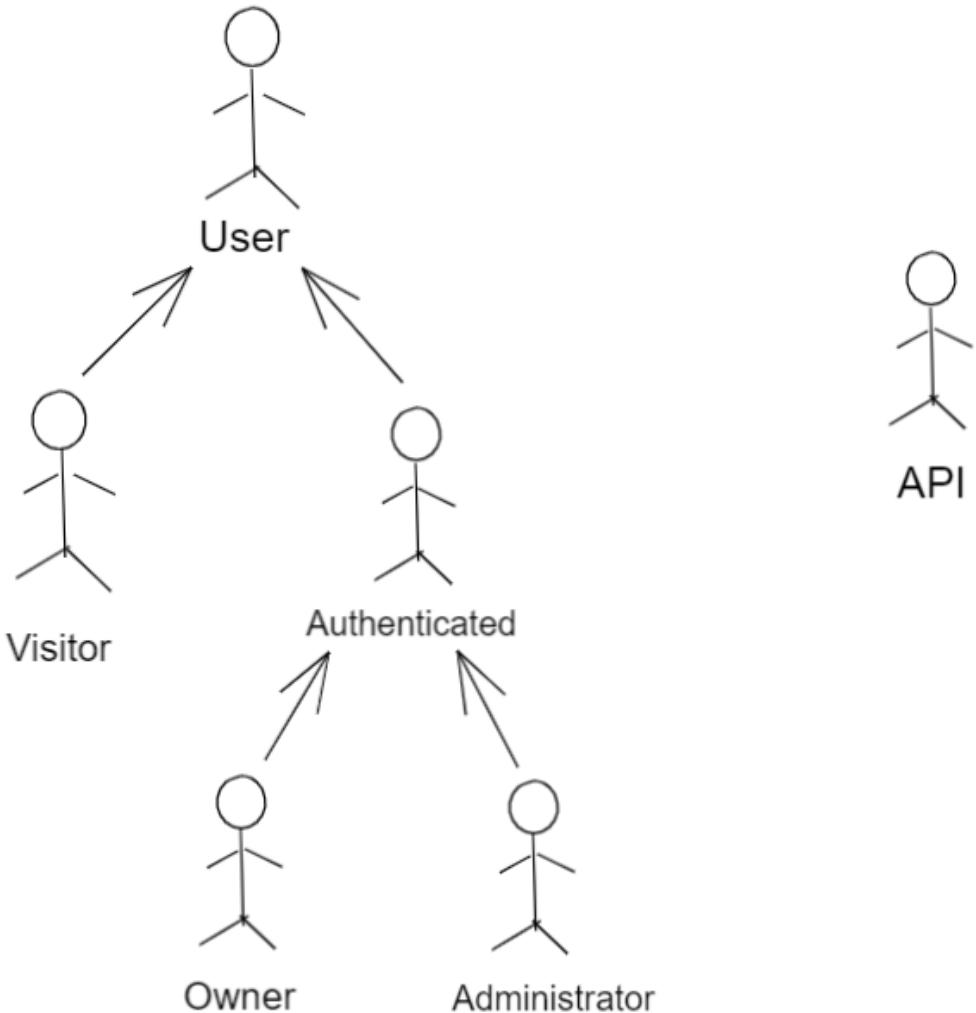


Figure 1: Actors.

Identifier	Description	Examples
User	Generic user that can access all the public content such as the questions, their answers, and their comments.	n/a
Visitor	Unauthenticated user that has access to all posts and that can register itself or log into the system.	n/a
Authenticated	Authenticated user that can post questions, answers, and comments.	jlopes
Owner	Authenticated user that is the author of a message being it a question, answer, or comment, and can edit or remove it.	jlopes
Administrator	Authenticated user that is responsible for the management of users and for some specific supervisory and moderation functions.	jlopes
OAuth API	External OAuth API that can be used to register or authenticate into the system.	Google

Table 1: Actor's description

## User Stories

### User

Identifier	Name	Priority	Description

<b>Identifier</b>	<b>Name</b>	<b>Priority</b>	<b>Description</b>
US01	Discover	high	As a <i>User</i> , I want to be able to access a generic homepage, a FAQ page, an about us page, and a question exploration page, so that I can read all posted questions, answers, and comments, and general information about the website.
US02	Search	high	As a <i>User</i> , I want to be able to conduct a filtered search, so that I can have access to every post that fits my criteria.
US03	View profiles	low	As a <i>User</i> , I want to view the profile of other users so that I can see more information about them.

Table 2: User's user stories

## Visitor

<b>Identifier</b>	<b>Name</b>	<b>Priority</b>	<b>Description</b>
US11	Sign-in	high	As a <i>Visitor</i> , I want to authenticate into the system, so that I can access privileged information.
US12	Sign-up	high	As a <i>Visitor</i> , I want to register myself into the system, so that I can authenticate myself into the system.
US13	Sign-in with API	low	As a <i>Visitor</i> , I want to authenticate into the system using my Google account, so that I can access privileged information.
US14	Sign-up with API	low	As a <i>Visitor</i> , I want to register myself into the system using my Google account, so that I can authenticate myself into the system.

Table 3: Visitor's user stories

## Authenticated

<b>Identifier</b>	<b>Name</b>	<b>Priority</b>	<b>Description</b>
US21	Ask Question	high	As an <i>Authenticated</i> user, I want to ask a question, so that any other users may answer it.
US22	Reply to Question	high	As an <i>Authenticated</i> user, I want to answer posted questions, so that I can give my opinion on the matter.
US23	Write comment	high	As an <i>Authenticated</i> user, I want to post a comment on a posted question or answer, so that I can give my opinion on the matter.
US24	Vote	high	As an <i>Authenticated</i> user, I want to upvote or downvote a question, answer or comment, so that I can rate them.
US25	Edit profile	high	As an <i>Authenticated</i> user, I want to change my information, so that I can keep it updated (e.g. changing the password).
US26	Logout	high	As an <i>Authenticated</i> user, I want to logout of the platform so that I am not constantly logged in.
US27	Report content	medium	As an <i>Authenticated</i> user, I want to report questions, answers, and comments so that inappropriate content may be removed.
US28	Personalized homepage	medium	As an <i>Authenticated</i> user, I want to edit my favorite topics so that I have access to a personalized homepage, with content relevant to me.
US29	Follow other users	low	As an <i>Authenticated</i> user, I want to follow other authenticated users so that my homepage has their content on it.

Table 4: Authenticated user's user stories

## Owner

<b>Identifier</b>	<b>Name</b>	<b>Priority</b>	<b>Description</b>
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<b>Identifier</b>	<b>Name</b>	<b>Priority</b>	<b>Description</b>
US31	Edit content	medium	As an <i>Owner</i> , I want to edit a previous question, answer and comment of mine, so that I can correct any mistakes it contains.
US32	Delete own content	medium	As an <i>Owner</i> , I want to remove a previous question, answer and comment of mine, so that I can get rid of content I'm not proud of.

Table 5: Owner's user stories

## Administrator

<b>Identifier</b>	<b>Name</b>	<b>Priority</b>	<b>Description</b>
US41	Remove content	high	As an <i>Administrator</i> , I want to remove a question, answer or comment, so that I can remove inappropriate content.
US42	Edit Question Category	high	As an <i>Administrator</i> , I want to edit a question's associated category, so that I can correct any inconsistency on the user's part.
US43	Create/Remove Categories	high	As an <i>Administrator</i> , I want to add new categories or delete existing ones so that the website can remain relevant.
US44	Moderate content	high	As an <i>Administrator</i> , I want access to a list of unassigned reports so that I can manage which reports I want to take care of.
US45	Ban user	medium	As an <i>Administrator</i> , I want to ban a system user, so that he can no longer post on the site until further notice.

Table 6: Administrator's user stories

## Supplementary Requirements

### Business Rules

<b>Identifier</b>	<b>Name</b>	<b>Description</b>
BR01	Self Promote	A user cannot vote on his own questions, answers, and comments.
BR02	Ownership	A user can only edit/delete the content of his own.
BR03	Feedback Loop	A user can comment and answer questions and answers of his own and those of other users.
BR04	Submission Date	The date of responses and comments submitted must be greater than or equal to the date on which the question was submitted.

Table 7: Business Rules Description

## Technical Requirements

<b>Identifier</b>	<b>Name</b>	<b>Description</b>
TR01	Scalability	The system must be able to handle the growth of users as well as the increase in information generated by them so that new content and users can always be added.
TR02	Usability	The system must be simple and easy to use by anyone (user friendly) so that even a new user can use the website effortlessly.
TR03	Security	The system must be as secure as possible, protecting all the information it contains so that the users' privacy can be assured.

Table 8: Technical Requirements Description

## Restrictions

Identifier	Name	Description
C01	DeadLine	The system, on the delivery deadline, must be functional and with the main features totally implemented.

Table 9: Restrictions Description

## A3: User Interface Prototype

This artifact's main goal was to prototype the product. It's a vital part of the process, given that it helps to identify and formulate the main trajectory of the design and saves time. It is intended not only to show the structure of the future website, but also the sitemap and the interaction between its pages. During the course of this artifact, the user requirements established previously were refined and modified when needed.

### 1. Interface and common features

**Travaholic** is a web application made with HTML, CSS, and JavaScript. Additionally, the Bootstrap framework was used to help with the creation of the UI.

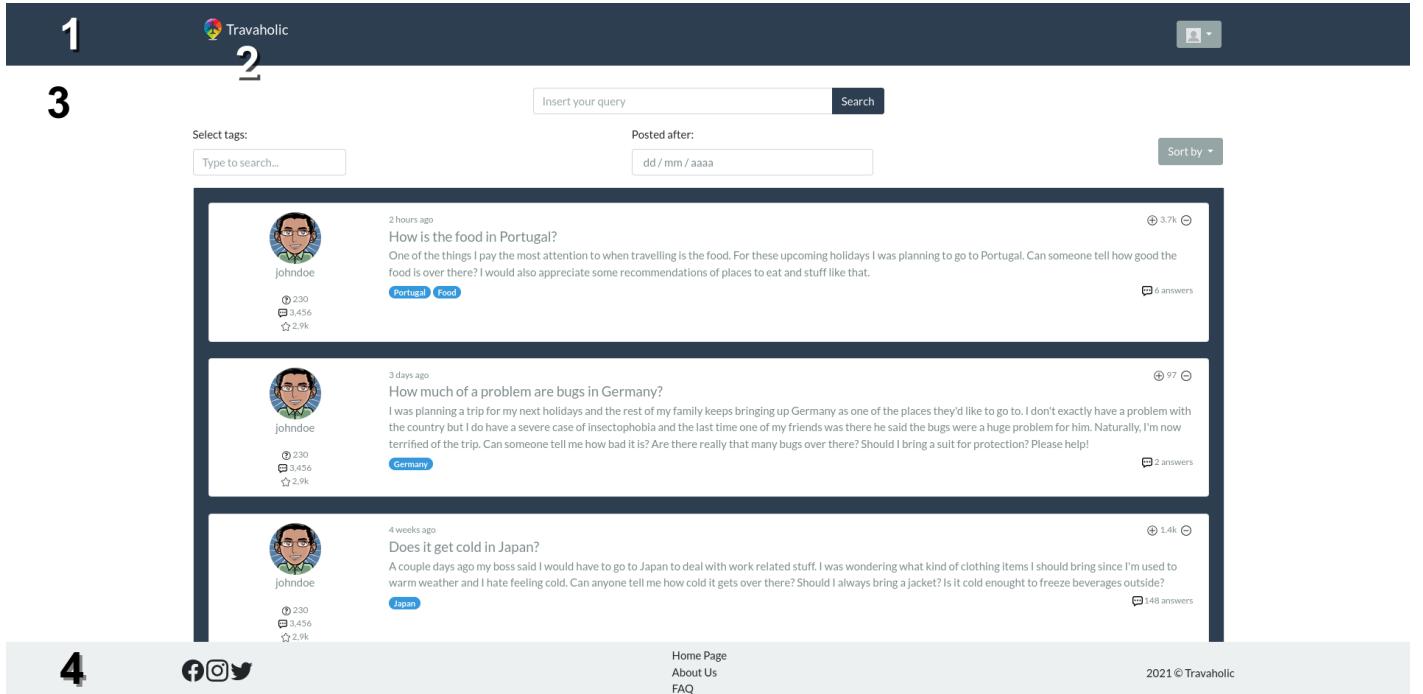


Figure 2: Interface guidelines

1. Navbar
2. Logo
3. Content
4. Footer

The image shows elements that are present on every page, namely the navigation bar and the footer.

### 2. Sitemap

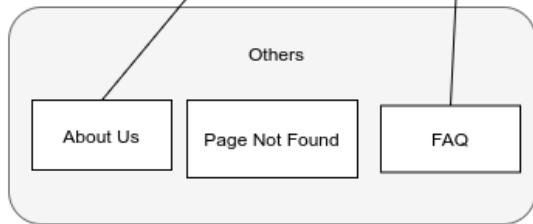
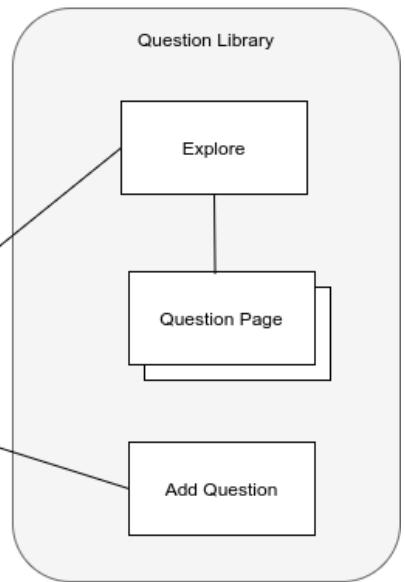
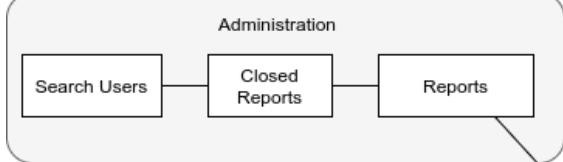
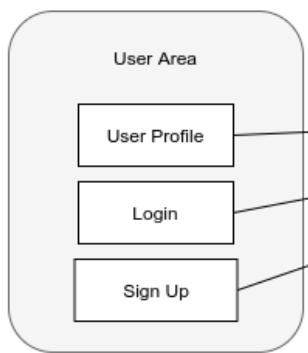


Figure 3: Sitemap

### 3. Wireflows

# Visitor

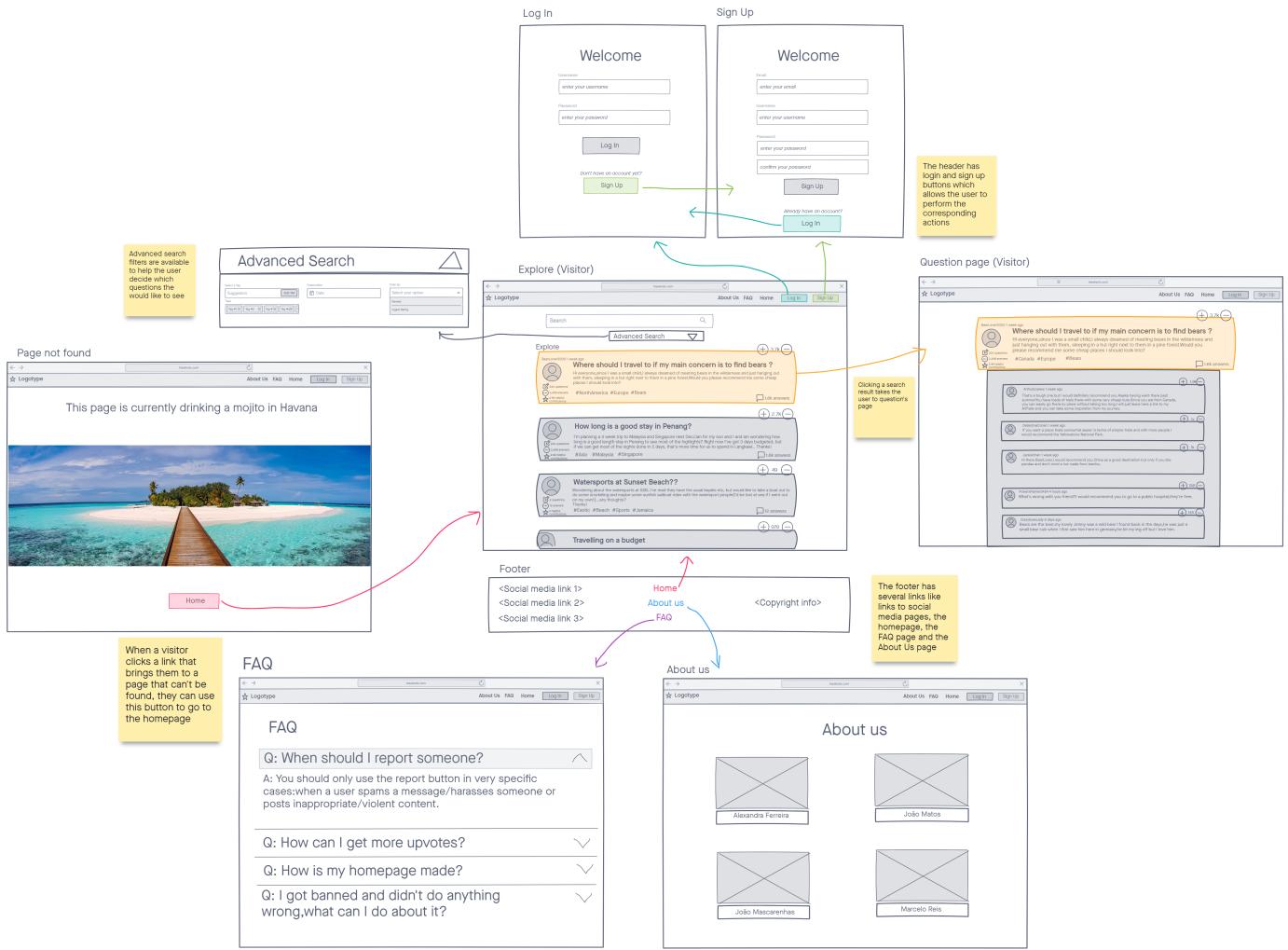


Figure 4: Wireflow centered on a Visitor's options.

# Authenticated

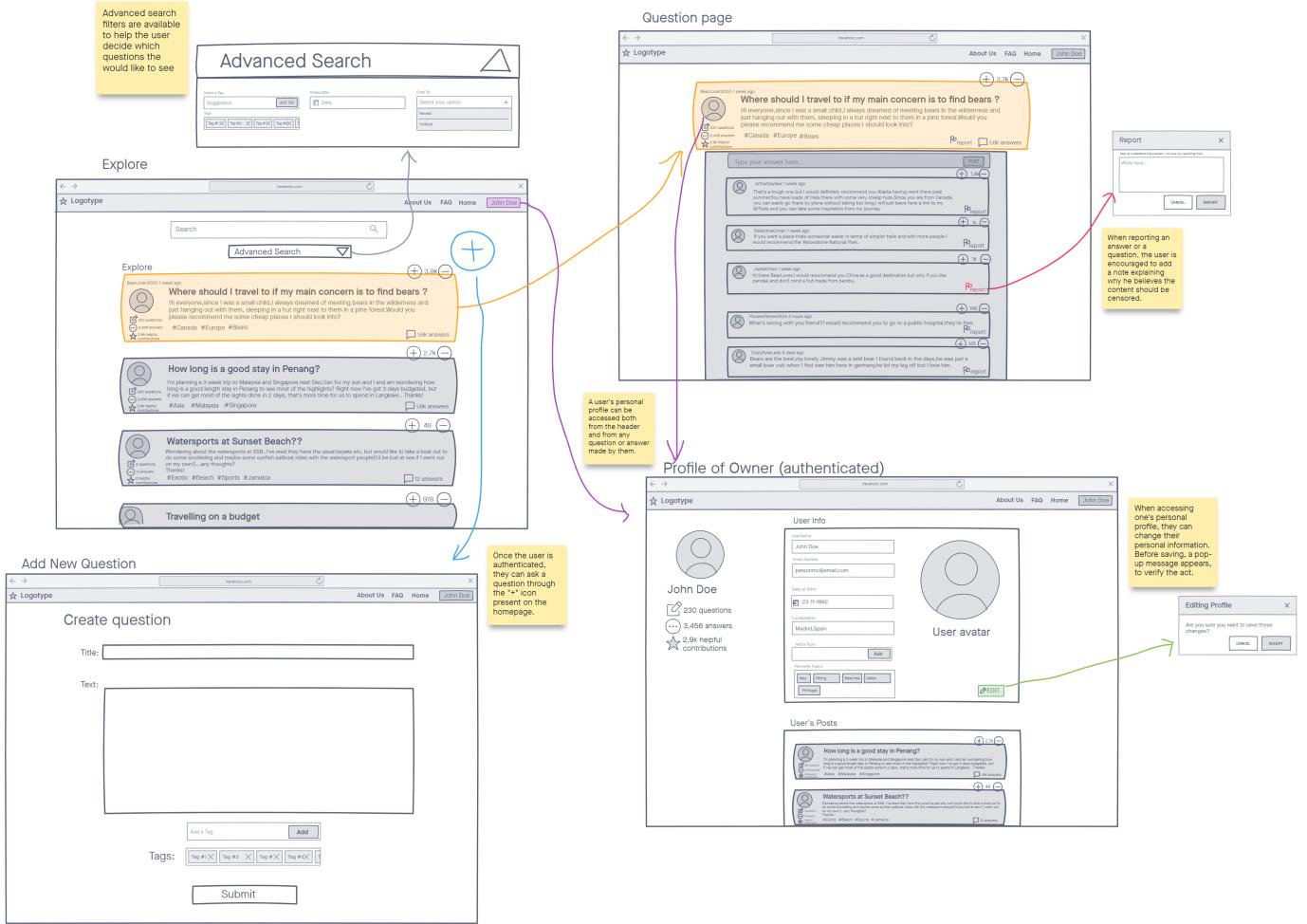


Figure 5: Wireflow centered on an Authenticated User's options.

## Admin

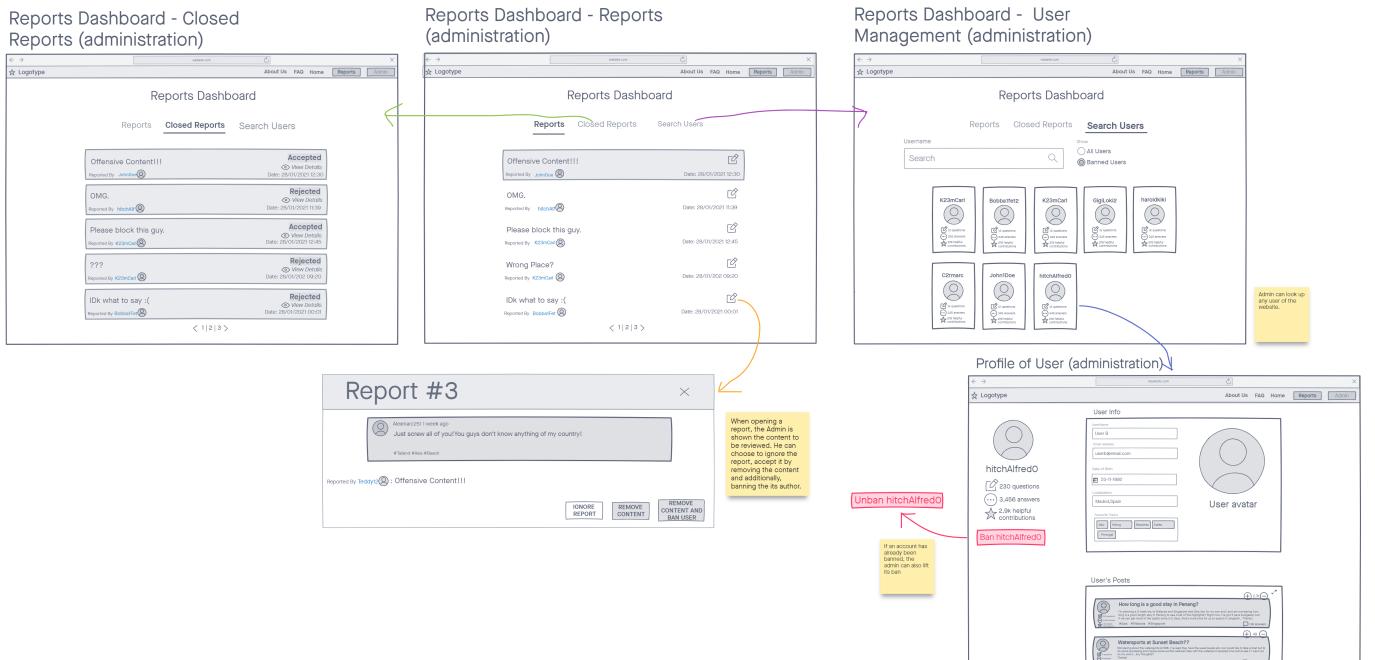


Figure 6: Wireflow centered on an Administrator's options.

[InVision project](#)

## 4. Interfaces

### Page list

- Homepage
- About
- Reports
- Closed Reports
- Error
- FAQ
- User Management
- New Question
- Question
- Profile
- Sign-in
- Sign-up
- Profile (Admin)

### UI01: Homepage

The screenshot shows the homepage of a travel-related website called 'Travaholic'. At the top, there is a dark header bar with the 'Travaholic' logo on the left and a user icon on the right. Below the header is a search bar with the placeholder 'Insert your query' and a 'Search' button. To the left of the search bar is a 'Select tags:' dropdown and a 'Type to search...' input field with an 'Add' button. To the right of the search bar are 'Posted after:' and 'Sort by:' dropdowns. The main content area displays three travel-related posts from user 'johndoe':

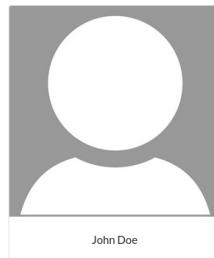
- How is the food in Portugal?** (2 hours ago) - One of the things I pay the most attention to when travelling is the food. For these upcoming holidays I was planning to go to Portugal. Can someone tell how good the food is over there? I would also appreciate some recommendations of places to eat and stuff like that.  
Tags: Portugal, Food. 3.7k views, 6 answers.
- How much of a problem are bugs in Germany?** (3 days ago) - I was planning a trip for my next holidays and the rest of my family keeps bringing up Germany as one of the places they'd like to go to. I don't exactly have a problem with the country but I do have a severe case of insectophobia and the last time one of my friends was there he said the bugs were a huge problem for him. Naturally, I'm now terrified of the trip. Can someone tell me how bad it is? Are there really that many bugs over there? Should I bring a suit for protection? Please help!  
Tags: Germany. 97 views, 2 answers.
- Does it get cold in Japan?** (4 weeks ago) - A couple days ago my boss said I would have to go to Japan to deal with work related stuff. I was wondering what kind of clothing items I should bring since I'm used to warm weather and I hate feeling cold. Can anyone tell me how cold it gets over there? Should I always bring a jacket? Is it cold enough to freeze beverages outside?  
Tags: Japan. 1.4k views, 148 answers.

At the bottom of the page, there are social media sharing icons (Facebook, Instagram, Twitter) and a footer navigation bar with links to 'Home Page', 'About Us', and 'FAQ'. The footer also includes a copyright notice: '2021 © Travaholic'.

Figure 7: [Homepage](#)

### UI02: About

## About Us



John Doe



Jane Doe



[Home Page](#)  
[About Us](#)  
[FAQ](#)



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Figure 8: About us page

## UI03: Reports

### Reports Dashboard

[Reports](#) [Closed Reports](#) [Manage Users](#)

#### Offensive Content!!!

userb answered 2 hours ago



Just screw all of you! You guys don't know anything of my country!

**Offensive Content!!** This user is just insulting anyone that disagrees with him!!! You need to delete his comments and block him if he continues doing this!!

Submitted by User A

[Ignore Report](#)[Remove Content](#)[Remove Content and Ban User](#)

#### OMG!!!

userb answered 2 hours ago



Just screw all of you! You guys don't know anything of my country!

**OMG!!** This user is just insulting anyone that disagrees with him!!! You need to delete his comments and block him if he continues doing this!!

Submitted by User A

[Ignore Report](#)[Remove Content](#)[Remove Content and Ban User](#)

#### Please block this guy!!!



[Home Page](#)  
[About Us](#)  
[FAQ](#)

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Figure 9: Reports page

## UI04: Closed Reports

## Reports Dashboard

Reports

Closed Reports

Manage Users

Offensive Content!!! Accepted	
 userb answered 2 hours ago	Just screw all of you! You guys don't know anything of my country!
<b>Offensive Content!!</b> This user is just insulting anyone that disagrees with him!!! You need to delete his comments and block him if he continues doing this!!	
Submitted by User A	
OMG!!! Accepted	
 userb answered 2 hours ago	Just screw all of you! You guys don't know anything of my country!
<b>OMG!!</b> This user is just insulting anyone that disagrees with him!!! You need to delete his comments and block him if he continues doing this!!	
Submitted by User A	
Please block this guy!!! Rejected	


[Home Page](#)  
[About Us](#)  
[FAQ](#)

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Figure 10: Closed reports page

### UI05: Error

This page is currently drinking a mojito in Havana


[Home Page](#)  
[About Us](#)  
[FAQ](#)

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Figure 11: Error page

### UI06: FAQ

## FAQ

- Q: When should I report someone? ▼
- Q: How can I get more upvotes? ▼
- Q: How is my homepage made? ▼
- Q: I got banned and didn't do anything wrong, what can I do about it? ▼


[Home Page](#)  
[About Us](#)  
[FAQ](#)

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Figure 12: FAQ page

## UI07: User Management

### Reports Dashboard

[Reports](#) [Closed Reports](#) [Manage Users](#)

Search username

Search

[All Users](#) [Banned Users](#)

State	Username	Questions	Answers	Contributions	Actions
Active	John Doe	230	3456	2.9k	<a href="#">Ban User</a>
Active	John Doe	230	3456	2.9k	<a href="#">Ban User</a>
Active	John Doe	230	3456	2.9k	<a href="#">Ban User</a>
Banned	John Doe	230	3456	2.9k	
Active	John Doe	230	3456	2.9k	<a href="#">Ban User</a>

[Previous](#) [1](#) [2](#) [3](#) [Next](#)

[Home Page](#)  
[About Us](#)  
[FAQ](#)

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Figure 13: User management page

## UI08: New Question

Title:  
Title

Question description:  
Description

Select tags:  
Type to search... Add

Italy Beaches Cafes

Post Question



Figure 14: New question page

## UI09: Question

1 week ago  
**Where should I travel to if my main concern is to find bears ?**  
④ 3.7k ⊖

Hi everyone,since I was a small child,I always dreamed of meeting bears in the wilderness and just hanging out with them, sleeping in a hut right next to them in a pine forest.Would you please recommend me some cheap places I should look into?

Bears Canada Report

3 Answers

Type your answer here...

1 week ago  
**Arthurboylexx**  
That's a tough one but I would definitely recommend you Alaska having went there past summer.You have loads of trails there with some very cheap huts.Since you are from Canada, you can easily go there by plane without taking too long.I will just leave here a link to my AllTrails and you can take some inspiration from my journey.  
④ 3.7k ⊖ Report

4 days ago  
**DetectiveConan**  
If you want a place thats somewhat easier in terms of simpler trails and with more people I would recommend the Yellowstone National Park.  
④ 0 ⊖ Report

Home Page  
About Us  
FAQ

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Figure 15: Question page

## UI10: Profile

Travaholic

John Doe

**Personal Stats**

- 230 questions
- 3,456 answers
- 2.9% helpful contributions

**Posts**

**Info**

2 hours ago  
How is the food in Portugal?  
One of the things I pay the most attention to when travelling is the food. For these upcoming holidays I was planning to go to Portugal. Can someone tell how good the food is over there? I would also appreciate some recommendations of places to eat and stuff like that.

3 days ago  
How much of a problem are bugs in Germany?  
I was planning a trip for my next holidays and the rest of my family keeps bringing up Germany as one of the places they'd like to go to. I don't exactly have a problem with the country but I do have a severe case of insectophobia and the last time one of my friends was there he said the bugs were a huge problem for him. Naturally, I'm now terrified of the trip. Can someone tell me how bad it is? Are there really that many bugs over there? Should I bring a suit for protection? Please help!

4 weeks ago  
Does it get cold in Japan?  
A couple days ago my boss said I would have to go to Japan to deal with work related stuff. I was wondering what kind of clothing items I should bring since I'm used to warm weather and I hate feeling cold. Can anyone tell me how cold it gets over there? Should I always bring a jacket? Is it cold enough to freeze beverages outside?

**Portugal | Food**

**Germany**

**Japan**

+ 3.7k 6 answers

+ 97 2 answers

+ 1.4k 148 answers

Figure 16: Profile page

### UI11: Sign-in

Travaholic

**Sign In**

Email address

Password

SIGN IN

G Sign in with Google

Don't have an account yet? [Sign Up!](#)

**Home Page**

**About Us**

**FAQ**

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Figure 17: Sign in page

### UI12: Sign-up

**Sign Up**

Username

Email address

Password

Confirm Password

**SIGN UP**

**G** Sign up with Google

Already have an account? [Sign In!](#)



[Home Page](#)  
[About Us](#)  
[FAQ](#)

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Figure 18: [Sign up page](#)

GROUP2124, 14/03/2021

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