

# Software Requirements Specification

**Team:** ShareYourTrip Team

**Project Title:** ShareYourTrip

**Members:**

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Stakeholders	Requirements
Users	<b>FR1: Register a new user form</b> <b>FR2: Register with an existing email address</b> <b>FR3: Register with an existing username</b> <b>FR4: Register with confirm password feature</b> <b>FR5: Login to the app</b> <b>FR6: Warning message when trying to login with incorrect information</b> <b>FR7: Forgot password (OMITTED)</b> <b>FR8: Search by city and state</b> <b>FR9: Browse main feed by category</b> <b>FR10: Show feed by date</b> <b>FR11: Post experience: first form</b> <b>FR12: Post experience: second form</b> <b>FR13: Submit a picture for a post (OMITTED)</b> <b>FR14: Submit a video for a post (OMITTED)</b> <b>FR15: Add favorite city</b> <b>FR16: Rate a post</b> <b>FR17: Delete a post</b> <b>FR18: Ban a user (OMITTED)</b>

	<p><b>FR19: Home feed</b></p> <p><b>FR20: Flag a post (OMITTED)</b></p> <p><b>FR21: Remove flagged user post (OMITTED)</b></p> <p><b>FR22: Unavailable post (OMITTED)</b></p> <p><b>FR23: Menu bar</b></p> <p><b>FR24: Contact us page</b></p> <p><b>FR25: Logout</b></p> <p><b>FR26 (Optional): Blocking users from failed login attempts (OMITTED)</b></p> <p><b>FR27 (Optional): Notify user of unavailable post (OMITTED)</b></p> <p><b>FR28. Post page</b></p> <p><b>FR29. Main feed page</b></p>
Data Servers	<p><b>FR1: Register a new user form</b></p> <p><b>FR2: Register with an existing email address</b></p> <p><b>FR3: Register with an existing username</b></p> <p><b>FR4: Register with confirm password feature</b></p> <p><b>FR5: Login to the app</b></p> <p><b>FR6: Warning message when trying to login with incorrect information</b></p> <p><b>FR7: Forgot password (OMITTED)</b></p> <p><b>FR8: Search by city and state</b></p> <p><b>FR9: Browse main feed by category</b></p> <p><b>FR10: Show feed by date</b></p> <p><b>FR11: Post experience: first form</b></p> <p><b>FR12: Post experience: second form</b></p> <p><b>FR13: Submit a picture for a post (OMITTED)</b></p> <p><b>FR14: Submit a video for a post (OMITTED)</b></p> <p><b>FR15: Add favorite city</b></p> <p><b>FR16: Rate a post</b></p> <p><b>FR17: Delete a post</b></p>

	<p><b>FR18: Ban a user (OMITTED)</b></p> <p><b>FR19: Home feed</b></p> <p><b>FR20: Flag a post (OMITTED)</b></p> <p><b>FR21: Remove flagged user post (OMITTED)</b></p> <p><b>FR22: Unavailable post (OMITTED)</b></p> <p><b>FR24: Contact us page</b></p> <p><b>FR25: Logout</b></p> <p><b>FR26 (Optional): Blocking users from failed login attempts (OMITTED)</b></p> <p><b>FR27 (Optional): Notify user of unavailable post (OMITTED)</b></p> <p><b>FR28. Post page</b></p> <p><b>FR29. Main feed page</b></p>
System Administrators	<p><b>FR17: Delete a post</b></p> <p><b>FR18: Ban a user (OMITTED)</b></p> <p><b>FR20: Flag a post (OMITTED)</b></p> <p><b>FR21: Remove flagged user post (OMITTED)</b></p> <p><b>FR24: Contact us page</b></p>
System Engineers	<p><b>FR24: Contact us page</b></p>
All	<p><b>NR1.a: Security</b></p> <p><b>NR1.b: Security</b></p> <p><b>NR2 Privacy</b></p> <p><b>NR3: Availability</b></p> <p><b>NR4.a: Performance</b></p> <p><b>NR4.b: Performance</b></p> <p><b>NR4.c: Performance</b></p> <p><b>NR5: Usability</b></p> <p><b>NR6: Reliability</b></p>

<b>FR1. Register a new user form</b>		
Goal: giving access to the product services to a new user.		
Stakeholders: Users and data servers		
<p>When a user clicks on 'register' button, the product shows a form that asks for first name, last name, a unique email address, a unique username, password, and confirm password.</p> <p>In order to complete registration user must click on submit button.</p> <p>If the registration is successful, the product will show an appropriate message to the user.</p>		
Origin: Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 1

<b>FR2. Register with an existing email address</b>		
Goal: to prevent registering users with the same email address for more than one time.		
Stakeholders: Users and data servers		
<p>When a new user inputs an email address that is already used in the product for registration, the product prompts a warning message about the duplicated email address and ask the user to enter a different email address.</p>		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 2

<b>FR3. Register with an existing username</b>		
Goal: to prevent registering users with the same email username more than one time.		
Stakeholders: Users and data servers		
When a new user inputs a username that is already used in the product for registration, the product prompts a warning message about the duplicated username and asks the user to enter a different username.		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 2

<b>FR4. Register with confirm password feature</b>		
Goal: to ensure that a user inputs matching passwords.		
Stakeholders: Users and data servers		
When a user registers in the app, they will be asked to confirm their entered password such that they are sure to have entered the desired password.		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 2

<b>FR5. Login to the app</b>		
Goal: a registered user accesses the system		
Stakeholders: Users and data servers		
When a registered user enters his or her username or email and password correctly. By clicking on login button, the product navigates them to the homepage feed.		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 1

<b>FR6. Warning message when trying to login with incorrect information</b>		
Goal: to inform users that they entered a wrong username or password		
Stakeholders: Users and data servers		
When a user tries to login with incorrect username, email or password, the product will show a warning that either username, email or password is wrong.		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 3

<b>FR8. Search by city and state</b>		
Goal: to find related information posted about a particular city.		
Stakeholders: Users and data servers		
In the main feed page, when a user enters the name of a city and a state in the respective fields provided by the search bar, the product will pull up in the main feed various information about the city posted by users.		
<u>Origin:</u> Origin: Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 2

<b>FR9. Browse main feed by category</b>		
Goal: to enable users search by a specific category.		
Stakeholders: Users and data servers		
When a user selects the name of a category from the respective search bar provided, as a result the product will list all the user posts related to that category. Some example for categories are restaurant, parks, entertainment centers, museums, etc.		
<u>Origin:</u> Origin: Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 2

<b>FR10. Show feed by date</b>		
Goal: to sort the posts by date		
Stakeholders: Users and data servers		
When a user is in the main or home feed pages, all the posts will always be sorted by date, with the first post being the most recent.		
<u>Origin:</u> Origin: Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 2

<b>FR11. Post experience: first form</b>		
Goal: to determine in which city, state and what category the user wants to submit a post about.		
Stakeholders: Users and data servers		
When a user clicks the 'add' a post about an experience on the post page, the product navigates them to a form that asks about city, state, and the category of the post. (After the user completed the boxes, there will be two options first one is a next button to navigate user to next step and the second one is cancelling button)		
<u>Origin:</u> Origin: Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 2



<b>FR12. Post experience: second form</b>		
Goal: to add details of an experience to the current post.		
Stakeholders: Users and data servers		
<p>By clicking on the 'next' button of the first form for submitting a post user experience, the product will navigate the user to the second form that asks for the name of place as title, a description, and any pictures or videos.</p> <p>(After the user completed boxes there will be two options, first, share button and second one is cancelling button)</p>		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 2

<b>FR15. Add favorite city</b>		
Goal: to save the favorite city name for users, so later they can plan a trip to that city.		
Stakeholders: Users and data servers		
<p>In the main feed page, a user can choose to add a city as their favorite by pressing 'add' button after searching for it.</p>		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 3

<b>FR16. Rate a post</b>		
Goal: to show opinion of other users about a post to determine the post's reliability		
Stakeholders: Users and data servers		
After users read a post, they can rate that post. The rating system is thumbs up for a good/agree rating and thumbs down for a bad/disagree rating.		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 3

<b>FR17. Delete a post</b>		
Goal: to delete unwanted post		
Stakeholders: Users, data servers and system administrators		
Posts can be deleted by the owner of that post, not by other users.		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 3

<b>FR19. Home feed</b>		
Goal: to view feed from favorited cities		
Stakeholders: Users and data servers		
When a user logs into the app, they are redirected to the home feed page where they can view their favorited cities.		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 1

<b>FR23. Menu bar</b>		
Goal: to assist the user in navigating the product		
Stakeholders: Users		
At the top of each page in the product, the user may access the menu bar where there will be links to the home-, main feed, post, contact us pages and logout option.		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 1

<b>FR24. Contact us page</b>		
Goal: to allow the user to contact us		
Stakeholders: Users, data servers, system administrators and system engineers		
After the user selects the contact us link from the menu bar, the user is redirected to a contact us page with a company email for reaching out.		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 1

<b>FR25. Logout</b>		
Goal: to log the user out		
Stakeholders: Users and data servers		
After a user selects the logout link from the menu bar, they will be logged out of the system and provided with a message notifying them that they have successfully logged out.		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		

<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 1
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#### **FR28. Post page**

Goal: to let the user view, add and delete their own posts

Stakeholders: Users and data servers

When a user goes to the post page, they can see all their previously created post and may choose to add or delete.

Origin: Based on initial project specification document, team members came up with this description during the first meeting.

<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 1
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#### **FR29. Main feed page**

Goal: to let the user view other people's post

Stakeholders: Users and data servers

When a user goes to the main feed page, they may see all other posts users shared in the product.

Origin: Based on initial project specification document, team members came up with this description during the first meeting.

<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 1
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<b>NR1.a Security</b>		
Goal: to make sure that our product is secure for users		
Stakeholders: Users, data servers, system administrators and system engineers		
Username of the user will be only piece of information viewable by other users Only users who registered on the product are authorized to log into the app		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 1

<b>NR1.b Security</b>		
Goal: to ensure the security of the system.		
Stakeholders: Users, data servers, system administrators and system engineers		
The product must conform to the ISO/IEC 27001:2013 security standards as outlined in <a href="https://www.iso.org/obp/ui/#iso:std:iso-iec:27001:ed-2:v1:en">HYPERLINK "https://www.iso.org/obp/ui/#iso:std:iso-iec:27001:ed-2:v1:en"</a> <a href="https://www.iso.org/obp/ui/#iso:std:iso-iec:27001:ed-2:v1:en">https://www.iso.org/obp/ui/#iso:std:iso-iec:27001:ed-2:v1:en</a>		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 1

<b>NR2. Privacy</b>		
Goal: to protect user's privacy		
Stakeholders: Users, data servers, system administrators and system engineers		
The user will be informed of what information is going to be collected from them and for what purpose it will be used in the terms and agreements section under privacy policy.		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 1

<b>NR3. Availability</b>		
Goal: to make sure the product is mainly available for all users online		
Stakeholders: Users, data servers, system administrators and system engineers		
In order to access the product, the users must have an internet connection.		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 3

<b>NR4.a Performance</b>		
Goal: to ensure that the product works as intended under time constraints.		
Stakeholders: Users, data servers, system administrators and system engineers		
Provided user input, the product should give output within 1 second.		
<u>Origin:</u>		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 1

<b>NR4.b Performance</b>		
Goal: to ensure that the product works as intended under speed constraints.		
Stakeholders: Users, data servers, system administrators and system engineers		
In accordance to NR4.a, the product ought to perform as intended provided a 10 Mbps internet connection speed.		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 2



<b>NR4.c Performance</b>		
Goal: to ensure that the product works as intended under memory constraints.		
Stakeholders: Users, data servers, system administrators and system engineers		
In accordance to NR4.a, the product ought to perform as intended provided <80MB of cumulative memory.		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 1

<b>NR5. Usability</b>		
Goal: to ensure the development of a quality product which serves its users		
Stakeholders: Users, data servers, system administrators and system engineers		
The product should be efficient to use and effective in providing intended information to the user; to ensure quality control, standard protocols for testing usability will be used as outlined in ISO/IEC 25062:2006 in <a href="https://www.iso.org/obp/ui/#iso:std:iso-iec:25062:ed-1:v2:en">https://www.iso.org/obp/ui/#iso:std:iso-iec:25062:ed-1:v2:en</a>		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 2

<b>NR6. Reliability</b>		
Goal: to ensure that the software will work as intended for a specified time under specific conditions		
Stakeholders: Users, data servers, system administrators and system engineers		
To ensure reliability, the product should not be faulty in its product requirements, design or implementation of software.		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 1