

Assignment 2: Software Requirements Specification

Team: ShareYourTrip Team

Project Title: ShareYourTrip

Members:

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3. Nathan Haddad
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Meetings date	Participants
01/23/2020	Nona, London, Aaron

Stakeholders	Requirements
Users	FR1: Register a new user form FR2: Register with an existing email address FR3: Register with an existing username FR4: Register with confirm password feature FR5: Login to the app FR6: Warning message when trying to login with incorrect information FR7: Forgot password FR8: Search by city and state FR9: Browse main feed by category FR10: Show feed by date FR11: Post experience: first form FR12: Post experience: second form FR13: Submit a picture for a post FR14: Submit a video for a post FR15: Add favorite city FR16: Rate a post FR17: Delete a post FR18: Ban a user FR19: Home feed FR20: Flag a post FR21: Remove flagged user post FR22: Unavailable post FR23: Menu bar

	FR24: Contact us page FR25: Logout FR26 (Optional): Blocking users from failed login attempts FR27 (Optional): Notify user of unavailable post FR28. Post page FR29. Main feed page
Data Servers	FR1: Register a new user form FR2: Register with an existing email address FR3: Register with an existing username FR4: Register with confirm password feature FR5: Login to the app FR6: Warning message when trying to login with incorrect information FR7: Forgot password FR8: Search by city and state FR9: Browse main feed by category FR10: Show feed by date FR11: Post experience: first form FR12: Post experience: second form FR13: Submit a picture for a post FR14: Submit a video for a post FR15: Add favorite city FR16: Rate a post FR17: Delete a post FR18: Ban a user FR19: Home feed FR20: Flag a post FR21: Remove flagged user post FR22: Unavailable post FR24: Contact us page FR25: Logout FR26 (Optional): Blocking users from failed login attempts FR27 (Optional): Notify user of unavailable post FR28. Post page FR29. Main feed page
System Administrators	FR17: Delete a post FR18: Ban a user FR20: Flag a post FR21: Remove flagged user post FR24: Contact us page
System Engineers	FR24: Contact us page
All	NR1.a: Security NR1.b: Security NR2 Privacy NR3: Availability NR4.a: Performance NR4.b: Performance NR4.c: Performance

NR5: Usability NR6: Reliability
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FR1. Register a new user form

Goal: giving access to the product services to a new user.

Stakeholders: Users and data servers

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.
In order to complete registration user must click on submit button.
If the registration is successful, the product will show an appropriate message to the user.

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

Version: 1.0

Date: 01/23/2020

Priority: 1

FR2. Register with an existing email address

Goal: to prevent registering users with the same email address for more than one time.

Stakeholders: Users and data servers

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.

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

Version: 1.0

Date: 01/23/2020

Priority: 2

FR3. Register with an existing username		
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.		
Origin: Based on initial project specification document, team members came up with this description during the first meeting.		
Version: 1.0	Date: 01/23/2020	Priority: 2

FR4. Register with confirm password feature		
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.		
Origin: Based on initial project specification document, team members came up with this description during the first meeting.		
Version: 1.0	Date: 01/23/2020	Priority: 2

FR5. Login to the app		
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

FR6. Warning message when trying to login with incorrect information		
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

FR7. Forgot password

Goal: to give a chance to users to retrieve their password, which they do not remember.		
Stakeholders: Users and data servers		
By selecting the forgotten password link on the login page, a user will be brought to the 'forgot password' page where they will be prompted for their email used in the product to receive their password.		
Origin: Based on initial project specification document, team members came up with this description during the first meeting.		
Version: 1.0	Date: 01/23/2020	Priority: 4

FR8. Search by city and state		
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.		
Origin: Origin: Based on initial project specification document, team members came up with this description during the first meeting.		
Version: 1.0	Date: 01/23/2020	Priority: 2

FR9. Browse main feed by category		
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 examples 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

FR10. Show feed by date		
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

FR11. Post experience: first form		
Goal: to determine in which city, state and what category the user wants to submit a post about.		
Stakeholders: Users and data servers		

<p>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)</p>		
<p><u>Origin:</u> Origin: Based on initial project specification document, team members came up with this description during the first meeting.</p>		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 2

FR12. Post experience: second form		
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. (After the user completed boxes there will be two options, first, share button and second one is cancelling button)</p>		
<p><u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.</p>		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 2

FR13. Submit a picture for a post		
Goal: to post a picture with an experience		
Stakeholders: Users and data servers		

In the same page of the second post user experience form, there will be an option for the user to post a picture of the place that is visited.		
<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

FR14. Submit a video for a post		
Goal: to post a video with an experience		
Stakeholders: Users and data servers		
In the same page of second form, there will be an option for user to post a video of the place that is visited.		
<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

FR15. Add favorite city		
Goal: to save the favorite city name for users, so later they can plan a trip to that city.		
Stakeholders: Users and data servers		

In the main feed page, a user can choose to add a city as their favorite by pressing 'add' button after searching for it.

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

Version: 1.0

Date: 01/23/2020

Priority: 3

FR16. Rate a post

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.

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

Version: 1.0

Date: 01/23/2020

Priority: 3

FR17. Delete a post

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.

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

Version: 1.0

Date: 01/23/2020

Priority: 3

FR18. Ban a user

Goal: to ensure only trustful users can use the app

Stakeholders: Users, data servers and system administrators

A project manager can ban a user who posted more than 3 inappropriate posts that have been made unavailable.

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

Version: 1.0

Date: 01/23/2020

Priority: 4

FR19. Home feed

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

FR20. Flag a post		
Goal: to explain reporting of an inappropriate post		
Stakeholders: Users, data servers and system administrators		
<p>When a user posts an experience in the feed, other users may select its respective 'flag' button to report inappropriate post.</p> <p>After a user flags a post, they are redirected to a report user post page where they are prompted with a selection of options regarding the post and a text field to provide a more thorough description. Examples of inappropriate post can be sexual, harmful, discriminatory, etc.</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

FR21. Remove flagged user post		
Goal: to remove a user post if deemed inappropriate		
Stakeholders: Users, data servers and system administrators		

When a user flags a post, the post and feedback may be reviewed by the project manager who will choose to remove it, at their own digression.		
<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> 4

FR22. Unavailable post		
Goal: to make user post temporarily unavailable if flagged		
Stakeholders: Users and data servers		
When more than 3 users flag the same post, the post will become temporarily unavailable until it has been viewed by the project manager.		
<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

FR23. Menu bar		
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.

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

Version: 1.0

Date: 01/23/2020

Priority: 1

FR24. Contact us page

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.

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

Version: 1.0

Date: 01/23/2020

Priority: 1

FR25. Logout

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

FR26 (Optional). Blocking users from failed login attempts		
Goal: to block users from logging into the product after failure to input correct password		
Stakeholders: Users and data servers		
The user will be given 5 successive password attempts before temporarily preventing further login attempts.		
<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> 5

FR27 (Optional). Notify user of unavailable post		
Goal: to make the user is aware of flagged post		
Stakeholders: Users and data servers		

When a user's post has become unavailable, that same user will be send an email to be notified that the post has become unavailable.

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

Version: 1.0

Date: 01/23/2020

Priority: 5

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.

Version: 1.0

Date: 01/23/2020

Priority: 1

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.		
<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

NR1.a Security		
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

NR1.b Security		
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 HYPERLINK "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"		
<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

NR2. Privacy		
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

NR3. Availability		
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

NR4.a Performance		
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

NR4.b Performance		
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

NR4.c Performance		
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

NR5. Usability		
Goal: to ensure the development of a quality product which serves its users		
Stakeholders: Users, data servers, system administrators and system engineers		

<p>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 https://www.iso.org/obp/ui/#iso:std:iso-iec:25062:ed-1:v2:en HYPERLINK "https://www.iso.org/obp/ui/#iso:std:iso-iec:27001:ed-2:v1:en"</p>		
<p><u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.</p>		
<u>Version:</u> 1.0	<u>Date:</u> 01/23/2020	<u>Priority:</u> 2

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