



Website name: USA2SA

Executive Summary

Hello and welcome, we are “USA2SA”. We created this traveling guide website for American travelers wanting to explore the beautiful country of South Africa. Whether the traveler wants to go to South Africa because of business or leisure, we plan to make their experience the best. Our websites allows travelers to select their cities of choice and to see ratings/reviews of people who have already visited the selection. Another option is for the traveler to select the activities they would like to participate in and our website will select the cities best for their adventure. If the traveler cannot decide on where to go or is feeling spontaneous he/she can select “Randomize My Trip”, and the website will give a selection of one of South Africa’s great cities along with a description. The last option the traveler has is a “Trio Deal”, which shows the traveler the best route to view the three main cities in South Africa which consists of Cape Town, Durban, and Johannesburg.

Once the traveler has decided on their destination of choice they can visit one of the top rated websites to purchase a ticket. After the ticket is purchased the traveler can use the website’s *US DOLLAR 2 SOUTH AFRICAN RAND Conversion Calculator* to see approximately how much currency they will have allotted for their trip.

If the traveler would like to share about themselves and their traveling experiences they can do so on the website by creating an account. Once the account is verified the user has the option to upload pictures, comment/rate on destinations, and receive email updates to their personal profile. This will allow other users to receive real feedback from a fellow traveler and will give them a second opinion.

Competitive Analysis

There is a similar product to USA2SA, however our product will provide random trip choices if the user can’t decide between all the great places to visit. Users will be able to budget their spending by knowing in US dollars how much they will spend. “USA2SA, what a great advantage”.

Features\Products	USA2SA	TripAdvisor
User Accounts	supported	supported
Comment Section/Reviews	supported	supported
Attractions	supported	supported
Recommendations	supported	supported
Randomization	supported	
Dollar To Rand Conversion Calculator	supported	

Overview and Scenarios

Overview:

From the USA2SA website, users will be able to create and review comments. Users can leave a permanent presence on the website by creating user account. Users will browse attractions and recommendations from website or allow the site to randomly choose their destination; viewing the currency in US dollars.

Below are the listed key features:

Scenarios:

New User (Ned Ulrich)

This is Ned's first time using the site. He reads the main's page description and sees that this site specializes in showing users tourist attractions at certain locations, while allowing users to provide their own feedback on their experiences. Ned clicks on the locations tab/area and sees said location is one he has visited before. He had a truly amazing experience at one of the attractions featured on the page and wants to rate and comment on it so he clicks on the comment button. A pop up on the page alerts him that he needs to sign in. He follows the link and enters his username, email, and password. He verifies his email and logs into his new account. He sets up his profile by clicking the my profile link then adds a picture and a little bit about himself into the bio text field. After setting this all up Ned returns to the original location page and rates it 5 stars and encourages everyone else to go in the comment section.

Returning User (Rachel Upton)

Rachel has just gotten back from her vacation after seeing the more than encouraging review left by a user called Ned. She had a lot of fun and leaves her own encouraging review on the locations page. She particularly liked the spa so she also ranked that highly. The whole trip and the spa were a little too costly for her liking so she factors this into her ranking and edits her comment. She is a travelholic so she decides to look for her next vacation spot right away by viewing all locations with the highest ranked one appearing first. She converts her currency to that of her desired location and makes her plans accordingly.

Bad User (Brady Upton)

Brady is 14 and stumbled upon the site through looking at his mom's history. He makes his own account and proceeds to give negative reviews to all the locations he can find. He thinks it's funny but gets bored after all his comments start to get reported. After the comments in question are reviewed by the system admin they are deleted/hidden from other users.

Max User (Max Upton)

Max attempts to login but is met with a page that says the server is at its cap for concurrent users. He attempts again but is greeted with the same message. He walks over to the family computer and logs his wife out of our website. He tries one last time to login and he is successful.

Features

- Accounts
- Comment section/reviews
- Attractions
- Recommendations
- Randomization
- Dollar to rand conversion calculator

Initial list of high-level functional requirements

1. User can register username/email and password combo
2. User username and password combo is stored in a database
3. User password will be encrypted
4. User can reset their password via email and receive a reminder of their username via email
5. Each user will have a profile. A profile will include but is not limited to an about text section and a default provided image or one uploaded by the user themselves.
6. User can change password after confirming their current password as well as change their email after confirming their current password.
7. User can view their own comment history
8. Site will feature at least one location
9. Each location will feature at least 10 different attraction/sites
10. Each attraction will feature a description of activities, associated costs, and user submitted content including but not limited to, comments and site rating.
11. Rating will be based on a 5 star system.
12. User can view random location(s)/attraction(s) pages via a button
13. User can convert their currency to a featured location currency or choose a random currency.
14. User can view the locations in multiple formats including but not limited to, star ranking, number of comments/reviews, and ones that the user has commented on.
15. User can flag/report other comments they deem as spam and/or inappropriate/vulgar

List of non-functional requirements

1. Internet Access
2. Linux OS
3. Computer Hardware
4. 50 max users
5. Data stored in database on Server
6. Privacy of users
7. Communication: English
8. Google analytics

System Development infrastructure

Tools:

- Brackets
- Eclipse
- GitHub
- SomeOne.io
- Host: lamp.cse.fau.edu
- MySQL: phpMyAdmin

Languages:

- HTML
- PHP
- JavaScript

Supported Browsers:

- Google Chrome
- Firefox
- Safari

Framework:

- Bootstrap: Bootstrapzero.com - MIT License. Built and Maintained by [latek](#).
- APIs: Facebook timeline

Team

- Nicholas Gamarra (Product Owner)
- David Mendieta (Scrum Master/Quality Assurance)
- Hope Ashmeade (Research & Developer/Quality Assurance)
- Adeola Adebisi (Developer)

Deliverables

1st Iteration

Register/login+Email Verification
Register--Database setup, Encrypt passwords,
Ajax post-back confirm password
Email Verification--Get working
Login--Get working

2nd Iteration

User profile+Manage User
User Profile--Setup User database(e.g name,profile pic,bio)
Manage User--change password, change email

3rd Iteration

Main page Design--Amassing of assets for
locations such as images and information as
well as designing the main page

4th Iteration

Location Design--Formatted output

5th Iteration

Comment + Rating implementation + Comment
history on profile+Formatted Location output by rating

6th Iteration

Flag inappropriate comments