

Team 41

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Famigo Project Backlog

Reviews You Can Trust

Problem Statement

With bots, review bombing, and false reviews becoming commonplace, people have become increasingly paranoid about the legitimacy of vacation destination reviews. This will differ from other services as it will be a more personalized place to find and plan trips. Reliability issues take all the fun out of planning and make the whole process cumbersome. People yearn for an all-in-one place to find the perfect destination, coordinate with their friends, and plan their trips.

Background Information

Problem:

As travel has become more accessible to the public, vacations have become commonplace. While some people vacation frequently, most people only get a couple of vacations a year. Because of this, one's vacation must be the highest quality it can be. In the past, this was easier to do as information was gotten through travel agents and personal hearsay. However, as information has migrated to the internet, people typically look for information there. This in of itself is not a problem, but it has become increasingly common to have reviews be bottled/falsified to fit a certain narrative.

Domain:

This platform is in the online travel information and recommendation board space. It has some social media functions like comments, friends, direct messages, likes, and more. It also functions as a trip planner, allowing people to stay organized and interact with other trip members.

Audience:

This platform is for people who travel very frequently, people looking to go on their yearly vacations, or the average family just looking for a night out, but are

unhappy with bot-dominated modern review systems. Our app is for those who want a personal touch, are curious about their friends' travels, or looking for travel advice from popular figures. Taking trips with friends is made easy with travel planning and direct messaging features, and people can make public posts about their experiences.

Similar Platforms and Limitations:

There are many applications such as TripAdvisor and booking.com that aim to do the same thing as us: help users plan trips and give reviews on destinations. However, these sites fail to address falsified and bottled reviews. Their ratings must be taken with a grain of salt because it would not be impossible to falsify ratings in order to fit a narrative. Our application aims to tackle this issue by having people be able to filter by their friends/close ones. This will give people the option to trust the reviews that they see. Other trip-planning sites fail to have easy ways to connect with people who are also going on the same vacation. Our solution will give a multitude of ways for users to connect with each other to share destinations, plan events, and generally communicate.

Backlog

Functional

1. As a user, I would like to be able to create an account so that I can save my information
2. As a user, I would like to be able to edit my password and username
3. As a user, I would like to be able to recover my password by email so that I avoid losing my account
4. As a user, I would like to be able to delete my account
5. As a user, I would like, if I am considered credible by other users (judged by the number of followers, likes, and quality of reviews according to the moderation team) to have my reviews and likes have more weight
6. As a user, I would like to follow other users so that I can see their reviews
7. As a user, I would like to block other users so that I no longer see their reviews and they cannot post comments on mine
8. As a user, I would like to be able to add likes and dislikes to reviews
9. As a user, I would like to be able to see how many reviews someone has written
10. As a user, I would like to be able to read reviews even without an account
11. As a user, I would like to view other people's profiles

12. As a user, I would like to be able to message friends so that I can coordinate schedules
13. As a user, I would like to be able to edit my messages
14. As a user, I would like to be able to delete my messages
15. As a user, I would like to send media like images in messages
16. As a user, I would like to be able to add rich text like bold and italics to messages
17. As a user, I would like to add friends as people who follow me and I follow back
18. As a user, I would like to see the reviews categorized with gold reviews being friends, silver reviews being people I follow, and bronze reviews being everyone else
19. As a user, I would like to see the credibility of users' reviews
20. As a user, I would like the UI to scale to computers and phones of all sizes for ease of use
21. As a user, I would like to have a personalized page for people to check out and see my stats
22. As a user, I would like to hide my profile from searches
23. As a user, I would like to restrict my profile to only friends or friends of friends
24. As a user, I would like to be able to see a feed of the most recent posts of people I follow
25. As a user, I would like to be able to send files through messages to other people
26. As a user, I would like to be able to share calendars with other people
27. As a user, I would like to be able to report inappropriate content so that a moderator's attention will be drawn to it (separate than marking reviews as offensive, also covers comments and chats)
28. As a user, I would like to be able to invite people with an email link to join my travel group
29. As a user, I would like to be able to remove people from my travel group
30. As a user, I would like ownership of a trip to transfer to the member of the trip who joined second if the trip creator leaves or is removed from the product or allow the trip planner to designate a new group leader
31. As a mobile user, I would like to be able to take pictures in the app
32. As a user, I would like to be able to see a consensus on how people feel about a location (if time permits)
33. As a user, I would like to be able to tag other users with @ or use # to search for categories and I would like to send clickable hyperlinks in messages and reviews

34. As a user, I would like to be able to see a map of all the places I have reviewed (if time permits)
35. As a user, I would like to be able to sort the reviews based on the star rating so that I can see the worst and best experiences
36. As a user, I would like a light mode and a dark mode
37. As a trip planner, I would like to create groups so that I can plan trips with them
38. As a trip planner, I would like to be able to create trips so that the different schedules can be separated and I would like to be able to delete those trips
39. As a trip planner, I would like to create events for my trip on a specific day so that I can organize my trip
40. As a trip planner, I would like to be able to see those events in a calendar so that I can visually see where I need to be and at what time
41. As a trip planner, I would like to be able to see the locations on a map so that I can quickly find where I need to go
42. As a trip planner, I would like to be able to create reminders for events so that I know when to leave
43. As a trip planner, I would like to be able to export those events to another calendar so that I have multiple methods of keeping track of my schedule
44. As a reviewer, I would like to be able to add places to review so that others can read about reviews for these places
45. As a reviewer, I would like to be able to add reviews (containing text and a number of stars) to places so that others can learn from my experiences there
46. As a reviewer, I would like to be able to edit my reviews so that they contain my accurate opinions
47. As a reviewer, I would like to be able to see my edit history for reviews so that I can revert to an earlier version if I liked it more (if time allows)
48. As a reviewer, I would like to add media like images to my reviews to give a better idea of what the place is like
49. As a commenter, I would like to add comments to reviews so that I can argue for or against others' statements
50. As a reviewer, I would like to delete my reviews, which also delete their associated comments
51. As a commenter, I would like to delete my comments, but if my comment has any replies, they will still be visible and my comment's author and text will simply change to "[deleted]"
52. As a reviewer, I would like to see statistics on how many reviews I have written, what my average number of likes is, and other data

53. As a reviewer, I would like to see all of the reviews I have posted on my page
54. As a moderator, I would like to ban users who are spreading inappropriate content
55. As a user, I would like to appeal a ban if I receive one that I believe is unfair
56. As a moderator, I would like to be able to unban users who make an appeal and seem genuine about changing their ways
57. As a moderator, I would like to be able to see and message other moderators so that communication is simpler
58. As a moderator, I would like to be able to remove inappropriate comments or reviews
59. As a moderator, I would like to see reports with the reporting user, report reason, and attached content
60. As a moderator, I would like to be able to see who has specifically liked, disliked, and flagged reviews while regular users can only see totals
61. As an owner of a location, I would like to be able to claim ownership of that location
62. As the owner of a location, I would like to be able to add links to my website or a phone number so that people can contact me and book

Non-Functional

We aim to:

- Accommodate 50,000 users simultaneously
- Have a delay of less than 1s per request
- Achieve 99% uptime
- Encrypt private user data (not publicly shared text)
- Have 80% testing coverage

We want this program to operate as a small-scale test-bed for a new social media style, capable of expanding to a larger audience in the future. We will provide optimizations and usability expansions in the future, should this endeavor prove successful, but this program is meant to serve as a proof of concept. This is the reasoning behind the relatively lax requirements for simultaneous user count and response time for a social media program. We are focusing on functionality first, with the ability to expand and improve speed as necessary. However, we will be aiming for 99% uptime, as would be expected from a peer service of our caliber. We feel this, as a core requirement of the software, should be implemented at the ground level to ensure functionality and compatibility with our other functions. We plan to

encrypt private and friend-only (if applicable) data to prevent abuse but see no reason to slow down our software securing public information. Despite the computational overhead, we feel this is necessary to grow trust in our brand from the outset. Finally, our test cases aim to cover 80% of the functionality of this program. This is, in our opinion, a reasonable standard to publish under to ensure a quality brand image and build trust with our users.

Platforms, Frameworks, and Services Used:

- Android Studio - Java
- Spring - Java
- React - JavaScript