SOEN342

Software Requirements and Specifications

DateIn

(Phase 1)

Instructor:
Dr. Joumana Dargham

Team: Final

Meet Vora – 40155271
James Bitharas – 26637175
Samuel Collette – 40175048
Brandon Dam - 40175675
Jackson Jean - 23507416

DATE: 01/01/2023

https://github.com/Itsmeeeet/Soen-342

Abstract

1. Elicitation Techniques

1.1 Stakeholder-driven elicitation techniques

Using multiple focus groups to gather certain information with our stakeholders, we were able to understand our market and our targeted audience. Gathering single people that have or are interested in using online dating to help them find a partner was not a difficult task. According to cloudward.net in 2021 around 323 million people used an online dating app [0]. Using certain questions regarding our app and also general questions about online dating, we were able to find out that a lot of users, that are trying to find a long-term relationship, do look at the field that their partner is working in as a factor of choice. While people who are not looking for anything serious don't tend to matter as much. Our core beliefs are centered on our users finding love, and therefore we want users to have the option to filter out users who don't have their preferred field of work.

1.2 Artifact-driven elicitation techniques

As our app was continuing development, we sent out prototypes/beta versions of the app to certain companies that are partnered with certain stakeholders. This gave us an idea of how people enjoyed our design for the UI and also helped gather preliminary data for the user experience. We also gave the early users a certain survey for them to answer regarding our design and regarding the UI/UX. The overall consensus was that our app DateIn was a fresh new idea for online dating and gave users a great chance at finding their soul mate. Using a gradual release for our app with "alpha" and "beta" testing enables us to make potentially drastic changes without losing any clientele to major changes. This also allows us to enhance features that are working for the public and make them even better for the official release. With the feedback given from our early prototypes, we were able to change a few features to the app for the UI users to have an easier time navigating the app.

2. Comparative Study

2.1. Bumble

2.1.1. Description:
Bumble is a dating app that allows users to connect with potential matches through swiping, messaging, and video calls. The app is available on both iOS and Android platforms. Some of the key features of Bumble include:

2.1.2. Features
- o Swipe-based matching: Users can swipe through profiles of potential matches and indicate their interest by swiping right. If both users swipe right, they get matched and

can start chatting.

- o Users are able to filter their preferences based on location, age, interests, and more.
- o Users can see their match history and chat history in order to keep track of their interactions.
- o Profile verification: Users can verify their profile to increase trust and transparency on the platform.
- o Gender identity and sexual orientation options: Users can indicate their gender identity and sexual orientation in their profiles, allowing for a more inclusive and diverse dating experience.
- o In-app purchases: Users can purchase in-app currency or "coins" to access premium features such as seeing who liked their profile or having their profile prioritized in the match queue.

2.1.3. How is it unique from other dating apps?
- ● Gender roles: Bumble is designed to be a dating app where women are in control. On Bumble, women have to initiate the conversation with their matches, which aims to reduce the number of unwanted messages and harassment often experienced by women on other dating apps.
- ● Time limit: Bumble also gives a time limit for the match to initiate the conversation within 24 hours, after which the match will expire.

2.2. Tinder

2.2.1. Description:

Tinder is a popular dating app that allows users to browse through profiles of potential matches and "swipe" right on those they are interested in and left on those they are not. Tinder is known for its simplicity and ease of use, making it a popular choice among dating app users. Its location-based matching feature also makes it a great option for people looking to connect with others in their area. The premium version, Tinder Plus, offers more features and functionalities. It is available on both iOS and Android platforms.

2.2.2. Features

- o Location-based: The app uses the user's location to show potential matches nearby.
- o Super Like: Users can "super like" a profile, which sends a notification to the person that they are particularly interested in them.
- o Safety features: Users can report or block profiles that are behaving inappropriately.
- o Matching: Users are notified when they match with someone and can then message each other within the app.
- o Boost: Users can pay to have their profile moved to the top of the stack for a certain amount of time, increasing the likelihood of matches.
- o Users can also add Instagram, Spotify, and Snapchat accounts to their profiles to show more about themselves.

2.2.3. How is Tinder unique from other dating apps?
- ● Minimalistic profile: Unlike other dating apps, Tinder profiles are minimalistic, with only a few pictures and a brief bio. This simplicity allows users to quickly and easily browse through potential matches.

- Casual dating focus: Tinder is often seen as a more casual dating app, as compared to other dating apps like Hinge, that are geared towards more serious relationships.

2.3. Hinge

2.3.1. Description:

Hinge is a dating app that aims to match users based on mutual interests and shared friends. It is designed for users who are looking for more serious relationships compared to other dating apps like Tinder. The app requires users to create a detailed profile with prompts that encourage deeper conversations with potential matches. Hinge uses mutual interests and shared friends, pulled from Facebook, to match users. Some of the important features of Hinge include:

2.3.2. Features

o No Swipe: Unlike apps like tinder, Hinge does not have a swipe feature, instead, it allows you to express interest by tapping on the heart icon, which makes it more engaging and less superficial.

o Profile prompt: Users have to answer a variety of questions on their profile that are designed to create deeper and more meaningful connections with matches.

o Stories: Users can upload photos or videos in a story format to showcase their personality and interests.

o Communication: Users can "like" specific aspects of a potential match's profile, and can also comment on those aspects to start a conversation.

2.3.3. How's Hinge unique from other dating apps?

- Focus on relationships: Hinge is designed for users who are looking for more serious relationships, compared to other dating apps like Tinder which has a reputation for more casual dating.

3. Product Presentation

DateIn is a digital platform that allows users to connect and communicate and find potential partners. It typically uses a combination of user-provided information, such as interests and preferences, and location-based data to match users. The app allows users to create a profile, browse through potential matches, and initiate contact with those they are interested in. The app interface is designed to be simple and easy to use, allowing users to quickly and easily find potential partners. DateIn includes features like "swiping" or "liking" profiles, and safety features to report or block inappropriate behavior. The idea behind dating apps is to make the process of finding a partner more efficient and convenient, by allowing users to easily browse through a large pool of potential partners without having to go out and socialize in person.

3.1. Feature 1

Matching/Discovery: One of the most important features of dating apps is the ability to match users based on their interests and preferences. This feature allows users to browse through potential matches and quickly identify those that they are most likely to be compatible with. Some apps use

mutual interests, shared friends, or compatibility algorithms to match users.

3.2. Feature 2

Profile creation: Users can create a profile with pictures and a brief bio, and detailed prompts to showcase their personality and interests. Moreover, users can also link their other social media accounts like Instagram, Snapchat, and Facebook.

4. Conclusion

DateIn can provide a number of valuable benefits, both for users and for the companies that create and operate them.

For users, it makes it easy for users to find potential partners, without having to go out and socialize in person. It allows users to quickly and easily browse through a large pool of potential partners, increasing the chances of finding a compatible match. It can be used by anyone with a smartphone, regardless of location, age, or social status. It provides a controlled environment where users can communicate and interact with potential partners, with the option to report or block profiles that are behaving inappropriately.

For companies, it can offer the following benefits: can generate revenue through advertising, in-app purchases, or subscription-based models. It can collect valuable data on user behavior, preferences, and demographics, which can be used to improve the app and target advertising. It increases brand awareness and establishes a strong online presence. It can be seen as a platform for innovation and new technologies.

5. REFERENCES:

[0] A. Hadji-Vasilev, "25 online dating statistics, Facts & Trends for 2023," *Cloudwards*, 25-Jun-2022. [Online]. Available: https://www.cloudwards.net/online-dating-statistics/. [Accessed: 29-Jan-2023].

[1] "Date, meet, network better," *Bumble*. [Online]. Available: https://bumble.com/. [Accessed: 26-Jan-2023].

[2] "Download Hinge, the dating app designed to be deleted," *Hinge*. [Online]. Available: https://hinge.co/. [Accessed: 26-Jan-2023].

[3] "Match. chat. meet.," *Tinder*. [Online]. Available: https://tinder.com/feature/swipe. [Accessed: 26-Jan-2023].