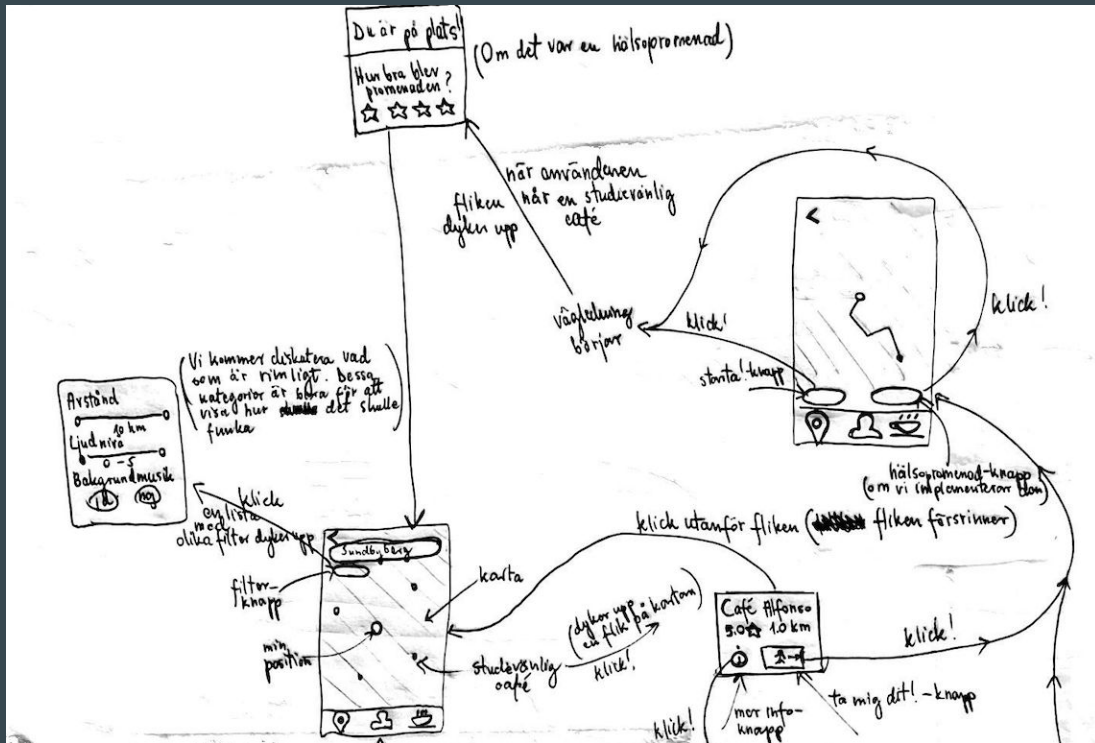
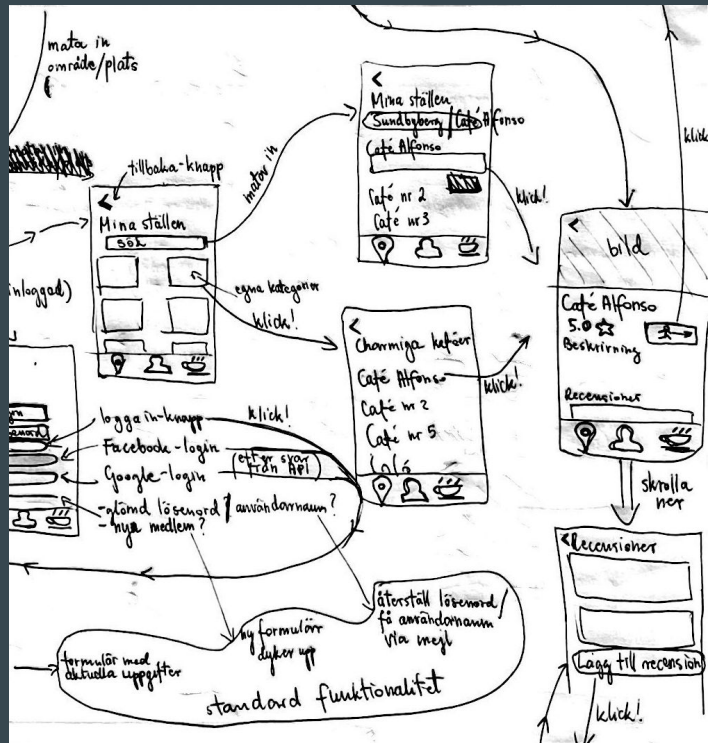


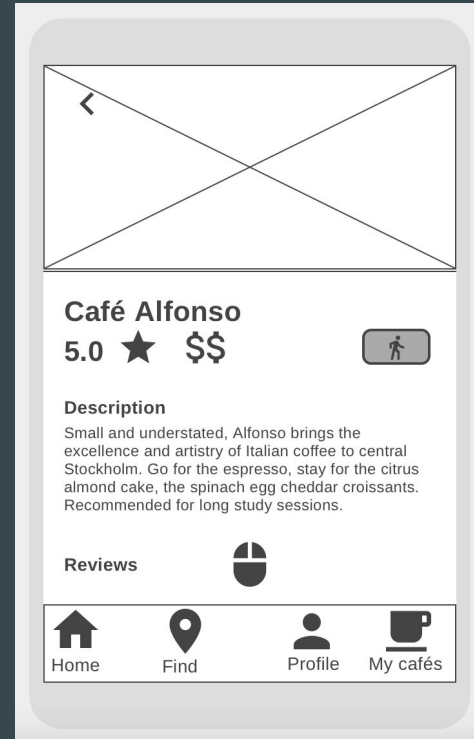
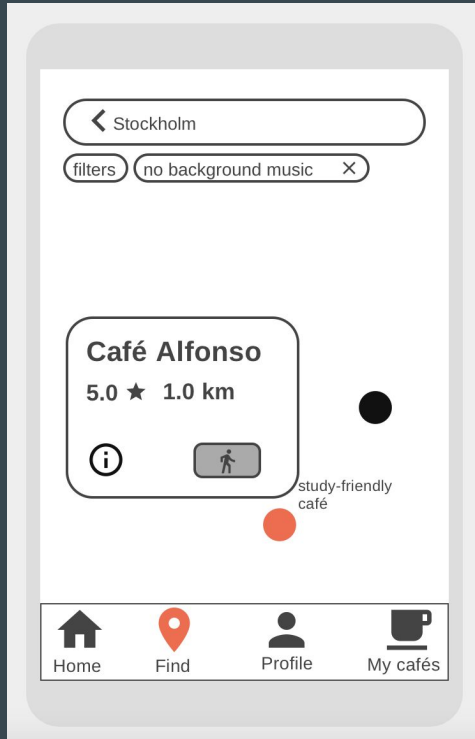


FIKA & FOCUS

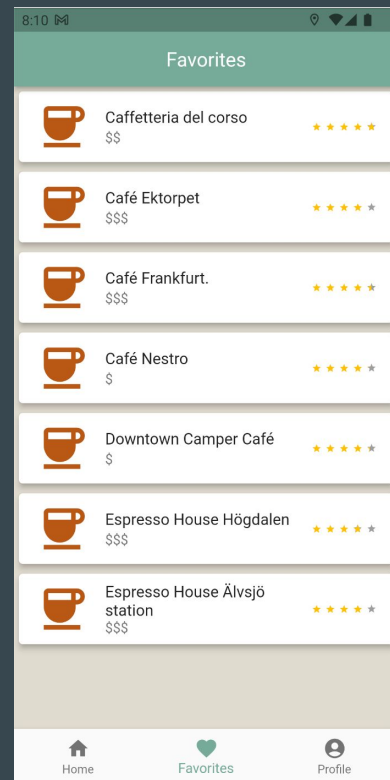
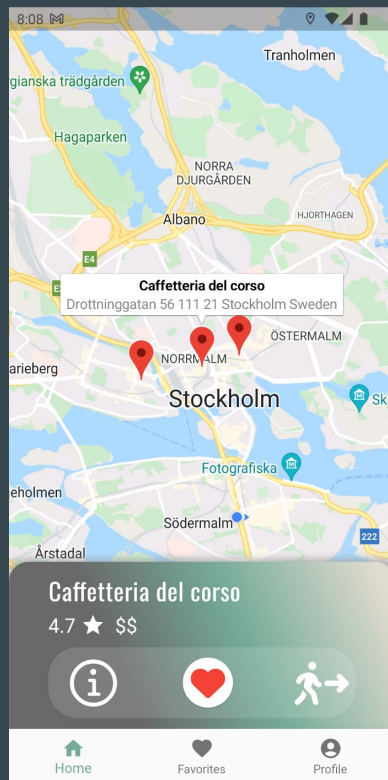
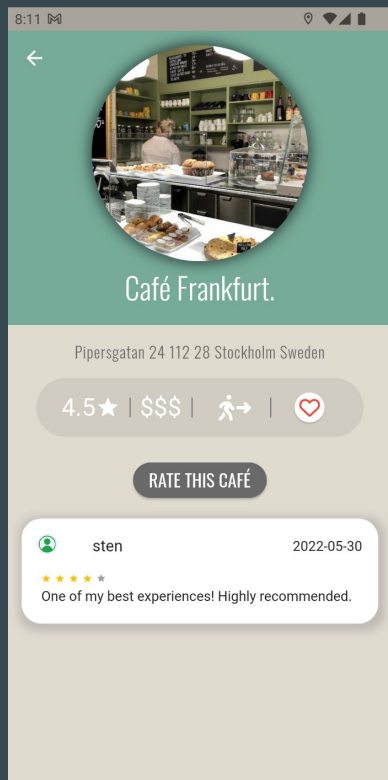
The fika & focus journey



The fika & focus journey



The fika & focus journey



User group

Students looking for a café to study at.

Problem statement

It is not always easy to study from home. A change of environment may be just what you need to get the work done. But where do you go to ensure high-quality work is done with no distractions?

Fika & Focus will help students leave their home environment and see different study locations that may suit their studying better. Students are being presented with places that supply easily accessible foods and drinks to help them stay focused. They receive a reason to exercise to get to the café, and they will perhaps also help cafés recover after a tough time with the pandemic.

Problem statement - refined

It is not always easy to study from home. A change of environment may be just what you need to get the work done. But where do you go to ensure high-quality work is done with no distractions, with great coffee, and without necessarily spending much money?

Fika & Focus wants to be of value to students looking for an easy way to find study-friendly places other than their homes and make it easy to save those places for future visits. Our vision of an application suggesting study-friendly cafés will also hopefully lead to an increase of exercise in the sense of motivating students to go outside.

Research leading to requirements

- User research: **questionnaire, think-aloud tests, interviews**
- User scenario development: **user scenarios developed based on personas**
- Prototypes: **wireframes**
- Some requirements:
 - The distance to the nearest study-friendly café is determined based on the GPS function.
 - Powerful filters enable the user to find a suitable café.
 - The system offers a rating and review option for the visited places.
 - Many more in the user requirements documentation.

Questionnaire – some results

- To vary study location is important/sometimes important for most students (67,5%).
- Music in the background, noise from outside, and movement of other people can be seen as distraction factors and can affect the quality of students' study time. More than half of the respondents claim that these factors bother them during study time. Moreover, almost half of the surveyed students (47,5%) consider themselves sensitive or very sensitive to sound.
- Noise level, crowdedness, and distance are critical factors when considering studying at a study-friendly café (70%, 75%, 70%). Furthermore, expensiveness plays a pivotal role but is relatively less important (55%).
- More than half of the surveyed students consider Fika & Focus a very useful/useful app-idea.
- An overwhelming majority (97,5%) are not using any other app that helps find study-friendly cafés.
- Almost half of the surveyed students (42,5%) would consider using the app at least once a week. Respectively, 70% would use the app at least once a month.
- 72,5% (agree/fully agree) of the surveyed students would visit a study-friendly café based on people's good reviews. Further, more than half of the respondents (67,5%) would visit such a place based on other visitors' high ratings.
- When asked if they would consider taking a longer walk to a study-friendly café, 87,5% of respondents said yes or maybe places.

Example of evolution - personas and user scenarios

John is a 22 year old computer science student, who wants to find the nearest café to study at. Today he is only going to work a bit on his essay and since the hardest part of the essay is done there is no need for any deep focusing. It is rather a time of adjustments on the grammar and a lot of reading. He has never had a problem with sound level when he is studying and has never been bothered by **crowdedness** when he is studying. Yesterday John had soccer practice and today he is very tired and not looking for any unnecessary walking. The fact that it is also raining today is another reason for him to just find the nearest café to study at. **The distance from his current location is, according to John, more important than anything right now.** He has a few good places already in mind but would like to know if there is another one even closer to him right now. John would also really like to have some sort of list to make sure he does not forget his favorite cafés and also use that list to see which café he feels like visiting on a certain day.

Sarah is 21 year old and studies economics. She usually prefers to study at home and have never really thought about studying anywhere else. She likes it when it is calm and quiet because that is when she performs best at studying. However, if there was a quick and easy way for her to find a **very quiet and/or uncrowded spot** somewhere else she would consider using it to find a different location to study at. The reason why is because as her school work increases she sometimes loses interest in studying when she works at the same location for too long. She would love it if she could find other places that have the environment that suits her studying the best but she would not know where to go to ensure that environmental demand that she finds important. She takes school very seriously and would not risk losing time to study to look for good studying spots. If there was an app that could help her find study-friendly cafés would instead be really helpful.

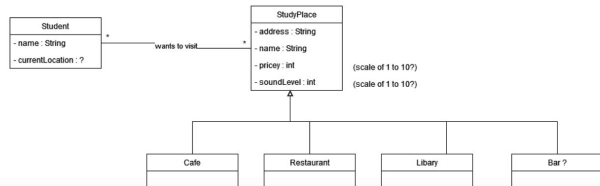
Sarah really enjoys walking too and especially in between study breaks to recharge her batteries. So if there was an app that can find a lot of different, calm and uncrowded places with a cozy environment to study in, so that she would not need to stay in the same place for too long, she would happily use that app.

The evolution of user requirements and documentation

User requirements document:

Version 1.0:

- Users:
 - Students in Stockholm
 - gymnasiums
 - university
 - perhaps younger students
- The plan is to present places that fit the preferences of the user.
 - places such as:
 - Cafés
 - Bars
 - Restaurants
 - Libraries

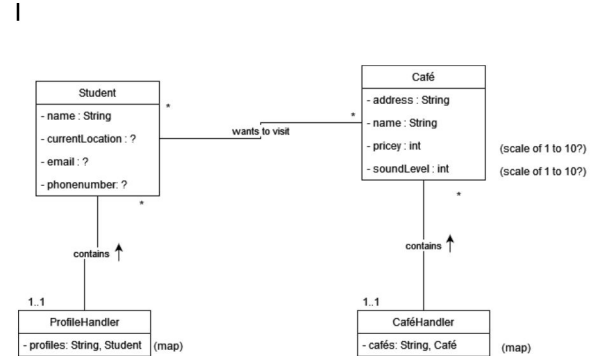


Version 1.1:

- Users:
 - Students**
 - We have decided to only focus on university students in Stockholm.

The plan now is to only present **cafés** as the study place.

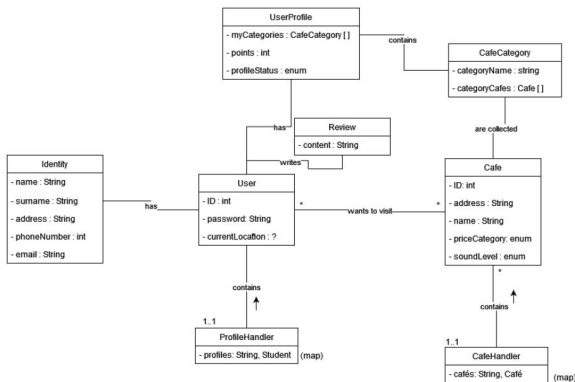
- Name of the project: Fika & Focus



The evolution of user requirements and documentation

Personas:

- Persona A usually prefers studying at home, rather than in a public place. But if there was a quick way to find a very quiet/uncrowded spot somewhere else, they would consider doing it. It helps a lot if it's nearby as well. Otherwise, they would be reluctant to use the app.
- Persona B prefers studying in public (school, library), but would like to vary their study location. They would like to use an app to quickly locate a study friendly place that is not too far away. It should be fairly quiet/uncrowded too. They don't like being in the same location for too long, and would like to have some kind of panic button to take them to a different study friendly café.



Version 1.3:

- Users:
 - Students**
 - University students in Stockholm only.

The plan now is to only present **cafés** as the study place.

- Name of the project: Fika & Focus

User scenarios:

- As a university student I'm looking for an uncrowded place where I can study. I like a bit of music in the background but not too loud, and I need to know that my dog can come along with me.

Personas:


- Persona A usually prefers studying at home, rather than in a public place. But if there was a quick way to find a very quiet/uncrowded spot somewhere else, they would consider doing it. It helps a lot if it's nearby as well. Otherwise, they would be reluctant to use the app.
- Persona B prefers studying in public (school, library), but would like to vary their study location. They would like to use an app to quickly locate a study friendly place that is not too far away. It should be fairly quiet/uncrowded too. They don't like being in the same location for too long, and would like to have some kind of panic button to take them to a different study friendly café.

Technical core features completed (based on the problem statement)


- Map that presents cafés
- Filter that take in account:
 - Price
 - Rating
 - Busyness
 - Distance from where you are right now
- Review the visited cafés - to help with keeping the information we have gathered as correct as possible.
- Favorite cafés feature
- OS integration:
 - GPS
 - Location


Logging in and signing up

- Login
 - Native login
 - Google login
- Sign up
 - Native sign up
 - Google sing up




ACCOUNT LOGIN

 Email

 Password

LOG IN

 Log in with Google

[Forgotten password/username?](#)

SIGN UP

APIs

- External API
 - Google
 - BestTime



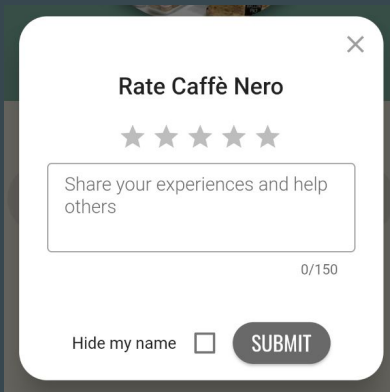
Filter/ Busy bars on Friday in San Fransisco

/filter?busy_min=50&types=BAR&day_int=4&lat=37.78

```
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Privacy feature

- Privacy and security features:
 - We have made it possible for the user to hide their name when leaving a review for a café. This is done by having a “Hide my name” checkbox next to the button for submitting the review.

A screenshot of a mobile app review form for 'Caffè Nero'. The form is a white card with rounded corners and a close button (X) in the top right. It features a five-star rating system with five empty stars. Below the stars is a text input field with the placeholder 'Share your experiences and help others' and a character count '0/150'. At the bottom, there is a checkbox labeled 'Hide my name' and a dark grey 'SUBMIT' button.

Rate Caffè Nero

★ ★ ★ ★ ★

Share your experiences and help others

0/150

Hide my name ☐

SUBMIT

Unit testing

```
@Test
void favouriteAppearsInDatabaseAfterAddingWithSQLQuery() throws SQLException{
    String sqlInsert = "insert into cafe2 (id, address, name, lat, lng, price, rating) " +
        "values ('abc123', 'café street 123', 'café abc123', '123.456', '1.01101', '4', '3')";
    stmt.executeUpdate(sqlInsert);
    String sqlInsert2 = "insert into user (email, username, pass) values ('abc123@gmail.com', 'abc123', '123abc')";
    stmt.executeUpdate(sqlInsert2);
    String sqlInsert3 = "insert into favourites (cafe_id, user_id) " +
        "values ('abc123', 'abc123@gmail.com')";
    stmt.executeUpdate(sqlInsert3);
    ResultSet myRs = stmt.executeQuery( sql: "select * from favourites");
    String s = null;
    if ( myRs.next() ) {
        s = myRs.getString( columnLabel: "cafe_id") + " " + myRs.getString( columnLabel: "user_id");
    }
    assertEquals( expected: "abc123 abc123@gmail.com", s);
}
```

Unit testing

```
@Test
void removingFavouriteByHTTPRemovesFavourite() throws IOException, SQLException{
    insertTestCafe();
    String sqlInsert = "insert into cafe2 (id, address, name, lat, lng, price, rating) " +
        "values ('abc1234', 'café street 123', 'café abc1234', '123.456', '1.01101', '4', '3')";
    stmt.executeUpdate(sqlInsert);
    insertTestUser();
    insertTestFavourite();
    String sqlInsert2 = "insert into favourites (cafe_id, user_id) " +
        "values ('abc1234', 'abc123@gmail.com')";
    stmt.executeUpdate(sqlInsert2);
    String data = "";
    URL url = new URL( spec: "http://127.0.0.1:8080/cafes/abc123@gmail.com/removefavourite/abc1234");
    doPostOrDeleteRequest(data,url, post: "DELETE");
    ResultSet myRs = stmt.executeQuery( sql: "select * from favourites");
    String s = null;
    if ( myRs.next() ) {
        s = myRs.getString( columnLabel: "cafe_id") + " " + myRs.getString( columnLabel: "user_id");
    }
    assertEquals( expected: "abc123 abc123@gmail.com",s);
}
```

Testing our product with a lo-fi prototype

“Generally, I had a good user experience. I’m not sure about walking a longer distance to a place where I want to study...”; “There are some minor gaps in the design that have to be filled in.”; “I hope that the usable version of the app will have more vivid colors.”

Testing our product with a lo-fi prototype

“It’s an interesting app. I hope it remains minimalist even in the final version! Make sure that the menu icons don’t swing from page to page.”; “I’m looking forward to your filtering options... it will be interesting to see how these study-friendly cafés can be searched through”.

Testing our product with a hi-fi prototype

”Creating an account in your app is really easy!”

“Saving a café to favorites is clear and straightforward.”

“Would have liked to see the same icon everywhere when it concerned the favorites page.”

THANKS FOR YOUR ATTENTION!

