

RUS 1 - Bar app



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App Vision

The Tutor organisation RUS-1 Katrinebjerg needs a Bar app that lets the Tutors have a bill in the bar when they are on the intro trip with the new students. This app is meant to contain all of the Tutors in the organization and the selection of products in the bar. At the end of the trip the user of the app is able to extract the content of each Tutors bill and send a receipt to the Tutors either by email or by sms.

Views:

It's possible to login as either admin or as a bartender. The bartender login is just a generic login, which is the same for all bartenders. The admin login is only for the admin.

- *Bartender View:*

In the bartender view, you're able to see a list of Tutors from the database. A list of products from the database and also the current shopping list. The bartender is then able to click on the specific Tutor, choose which product and how many to add, which then will be shown on the shopping list. The bartender is able to click buy and the price will be added to the specific Tutor in the database.

Nice to have for the bartender:

A menu where they can see how the drinks should be mixed.

And for extra they could contain a video view of a youtube video showing how to mix the drink.

- *Admin View:*

The admin view will have the same initial view as the bartender but with a settings menu to edit the information about the trip, bar selection and the Tutors. The admin will be able to edit:

- Tutors
- Products
- Cabin Trips
- The bill

These functionalities are described below.

Product:

- *Adding a category:*

- Adding a new category of products should be possible. To add a new category name and picture is required, whether its newly taken or one from the image library is up to the user.

- *Editing a category:*
 - when editing a category one should be able to change the name and the products assigned to the category.
 - one should be able to add a product from the “all products list”.
- *Adding a product:*
 - When a product is added its required to add the product to a category.
 - When adding a product it should be possible to add a newly taken picture or one stored on the phone.
 - When adding the product one must provide a name, price, and picture.
 - if the product is not created with a relation to a category, a warning should be shown, and it will be added to the default category “all products”.
- *Editing a product:*
 - when editing a product one should be able to change the name, the price, the category and the picture of the product. One should also be able to delete the product.

Tutors:

- *Adding a Tutor;*
 - When adding a Tutor , one should include Name, phone number, email and a picture of the person, which can be chosen from the phone gallery or take a picture of the Tutor with the phones camera.
- *Editing a Tutor:*
 - When editing a Tutor, one should be able to change the Tutor name, their email, phone number and picture. One should be able to remove a Tutor from the list.

Cabin trips:

- *Adding a trip:*
 - When adding a trip it should either:
 1. Be created with all the Tutors in the database and all the products in the database.
 2. Customizable which gives the user the option to choose which Tutors and products to add to the trip.
- *Deleting a trip:*
 - Be able to delete the trip.
- *Set a trip to current trip:*
 - Set a trip to be the current trip and this will update the app with the information of the trip.
- *End a trip:*

- Be able to end a trip and save it.
- The data saved will be a text document containing:
 - The bill.
 - A list with Tutor names (only the Tutor nicknames because of the GDPR law).
 - A list of the categories and their products with name picture and price.

The bill:

- *Viewing the bill:*
 - Lets the user look at the bill for the different Tutors.
- *Sending the bill:*
 - Lets the user export the bill to a text file .
 - Lets the user send the receipt to all Tutors by sms or email.

Database:

- *The database should contain:*
 - A collection of products with:
 - Name, price, and picture.
 - A collection of Tutors with:
 - Name, email, phone, picture and bill.
 - A collection of trips with:
 - Year, Location, season, optional picture, list of Tutors and a list of products.

Location:

- The app should log each purchase with gps-location, depending on the service/signal.

Camera:

- The app should be able to use the camera for updating either a product or a Tutor with a newly taken picture.

Personal Vision

The purpose of this project is to create a new bar app for the RUS-1 organization. We want to make it easier to manage the money spent by Tutors on the cabin trip with the new students. There is a huge focus on the administrative options in this assignment. So it's more convenient for the administrative part to make sure that the bills are paid. Also managing new and old Tutors and drinks, since there is a rather frequent change between cabin trips.

Context

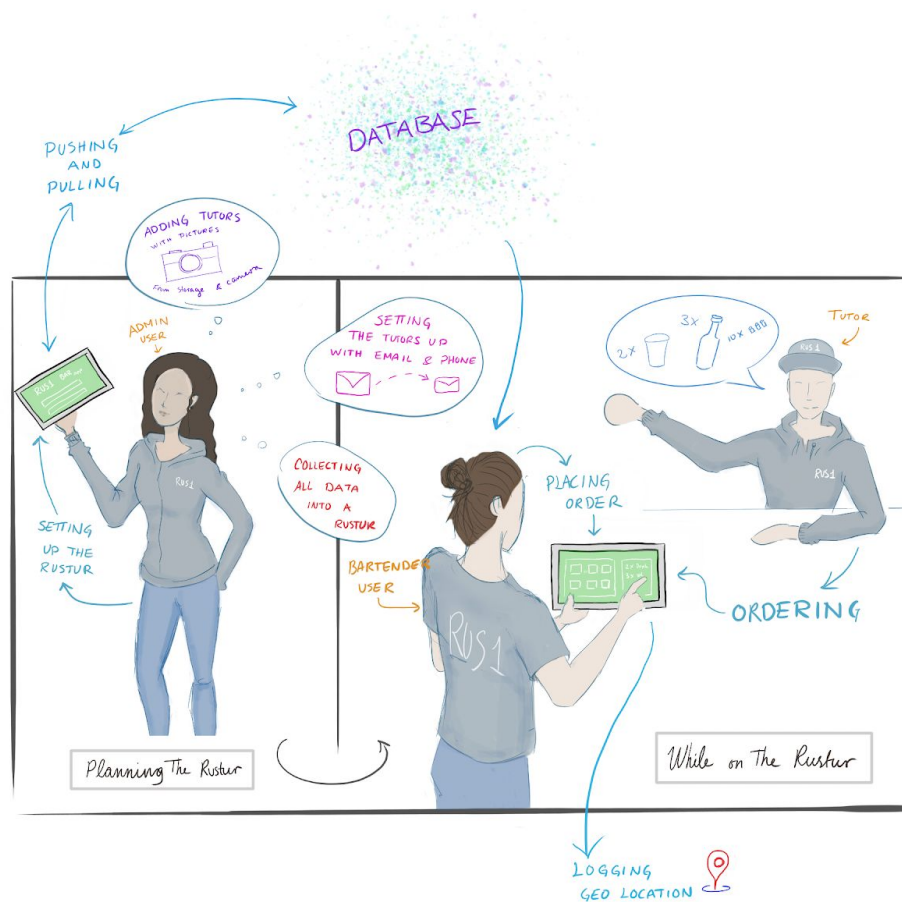


Image 01: Rich picture of the apps features.

Requirements

- **Administer product(Admin)**
 - As Administrator, I want to add a new product to the list of products, so that it can be chosen by the bartenders when it's ordered.
 - As Administrator, I want to edit a specific product, so that I can change the name, price or picture of the specific product.
 - As Administrator, I want to remove a product, so that it is no longer available in the overview for bartenders to choose.

- **Administer Tutors (Admin)**
 - As Administrator, I want to add a new Tutor to the list of Tutors, so that the Tutor can be chosen by the bartenders, when said Tutor orders a product.
 - As Administrator, I want to edit a specific Tutor, so that I can change the Name, phone number, email and picture of said Tutor.
 - As Administrator, I want to delete a Tutor from the list of Tutors, so they no longer can be chosen by the bartenders.

- **Administrer trips(Admin)**
 - As Administrator, I want to add a new cabin trip, so that I can make a list of chosen Tutors and products which are available for that specific trip.
 - As Administrator, I want to delete a cabin trip, so that I can make more space in the database.
 - As Administrator, I want to set a trip to current trip, so that I can see the Tutors and products from previous trips.
 - As Administrator, I want to end a trip, so that the data is stored and bartenders can no longer add products to it.

- **Administer bill(Admin)**
 - As Administrator, I want to save the bill as a text file, so that I can manage the purchases manually.
 - As Administrator, I want to send the receipt to all the Tutors by sms or email, so that I can retrieve the money spent on a trip.
 - As Administrator, I want to see the bill, so that I can see how much each Tutor has purchased for.

- **Buy a product(bartender)**
 - As a Bartender, I want to add one or more products to a specific Tutor, so when said Tutor buys product, the purchase will be added to their bill.

- **Database(System)**
 - As a System, I'm using a firebase database for data consistency .

- **Location(System)**
 - As a System, I'm using GPS-location to be able to log coordinates on each purchase.

- **Camera(Admin)**
 - As Administrator, I want to use the camera to take pictures of the products or Tutors.

Key Scenarios

1. As a user I want to add one or multiple products to a Tutors bill, to be able to see how much he/she has to pay after the trip.
2. As a user I want to Update, Edit or Delete a product, to be able to keep the app up to date and use it for a trip.
3. As a user I want to Update, Edit or Delete a Tutor, to be able to keep the app up to date and use it for a trip.
4. As a user I want to be able to print, or send the bills to each Tutor, to be able to keep track of the accounting.

Design Overview

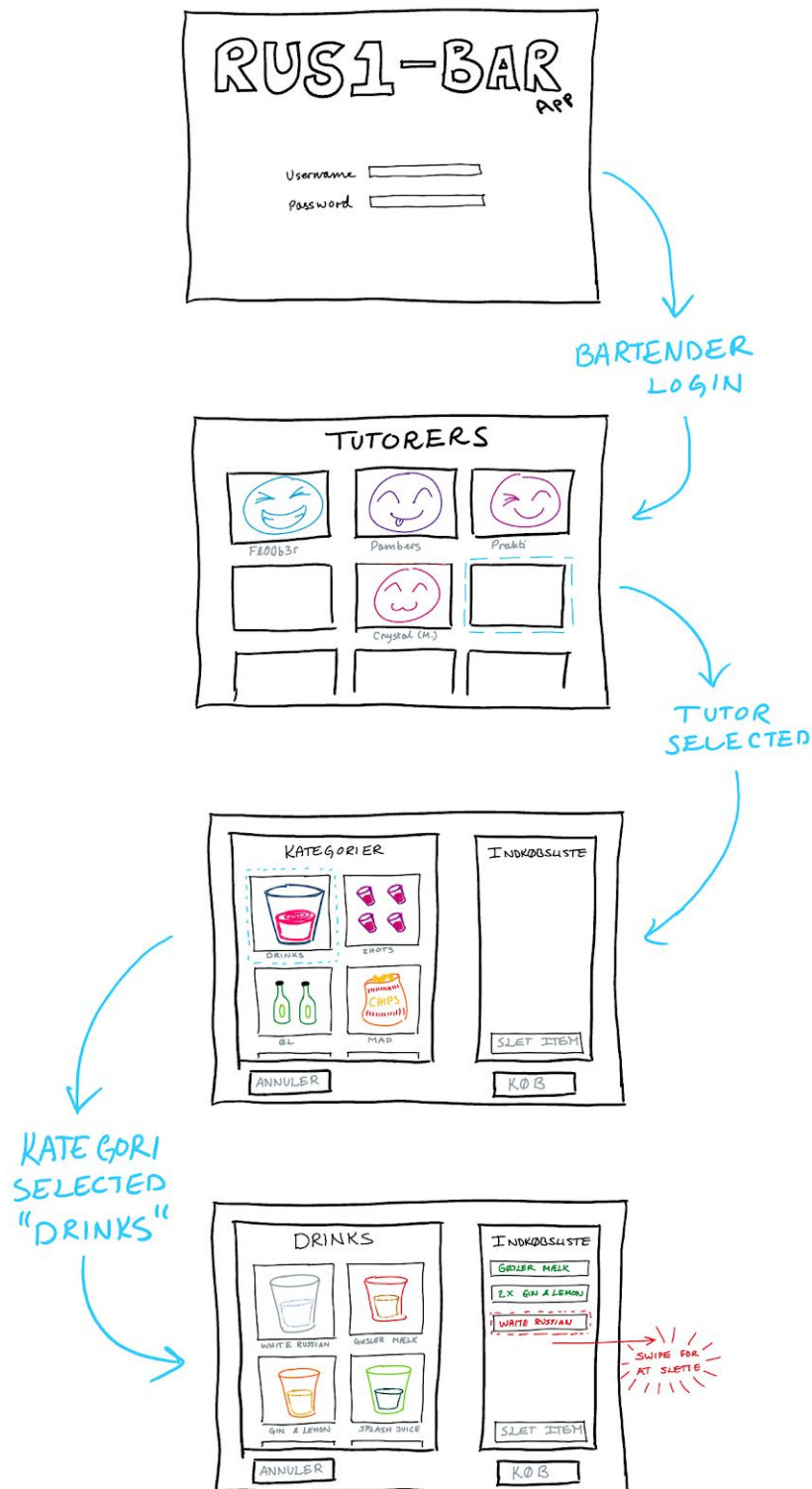


Image 02: Flow diagram of the apps interfase from the bartender login.

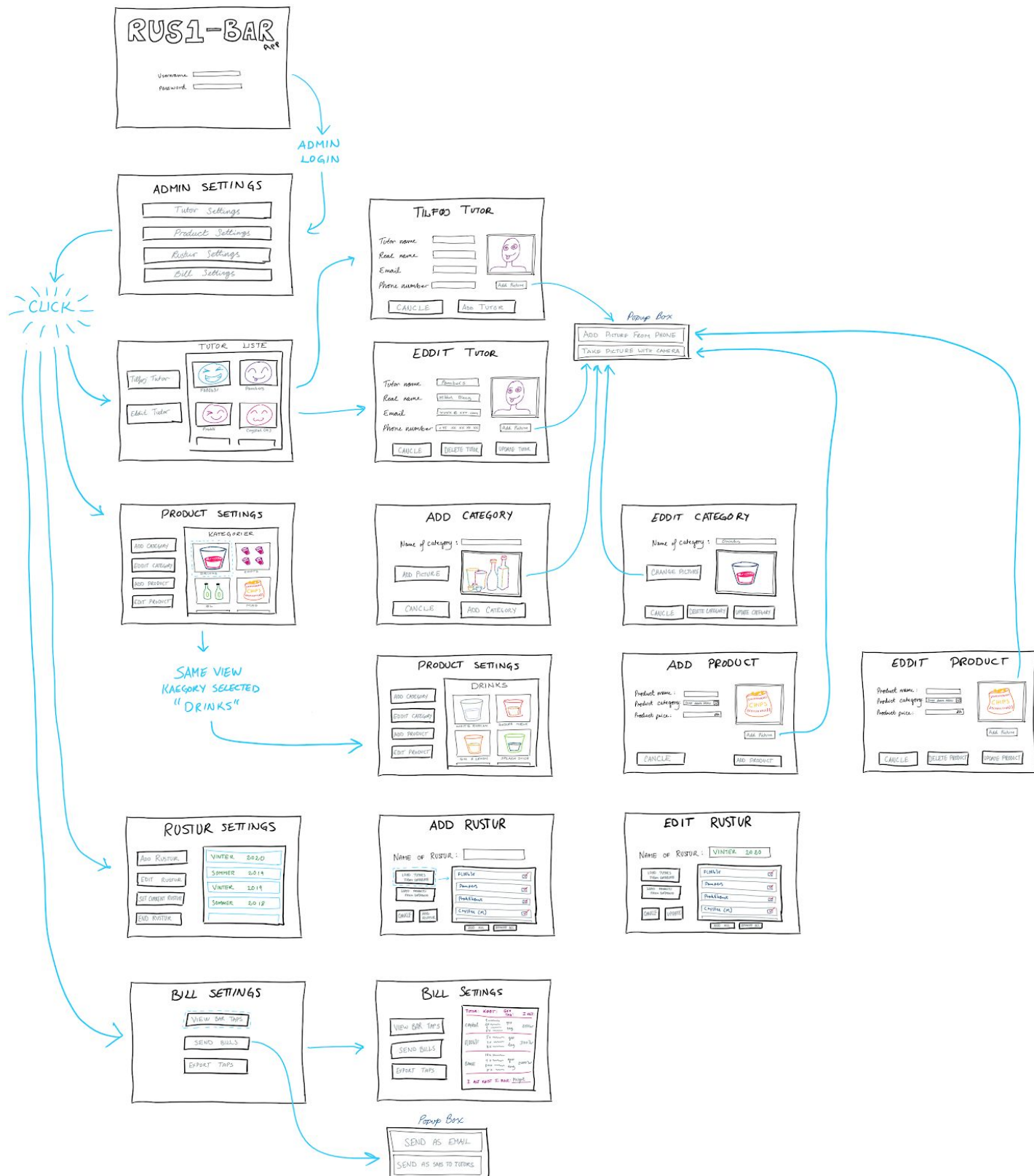


Image 03: Flow diagram of the apps interfase from the admin login.

Main risks

The main risk for this application would be, if the purchases aren't saved in the database. Since there will be no other way of tracking purchases for specific Tutors. This will result in an economic issue for the organisation.