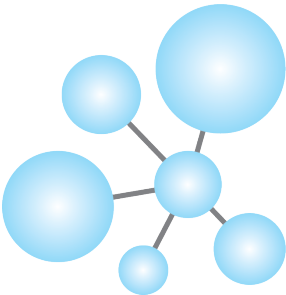


# Biweekly Report I

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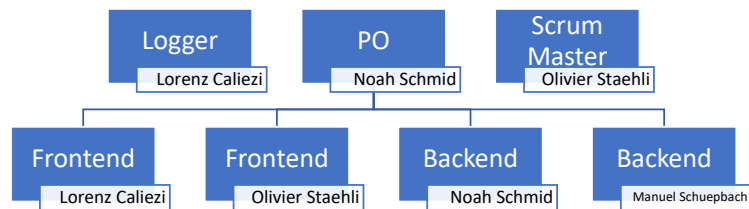
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## General

### First steps

To get started we all watched the Angular and Ionic tutorial from Maximilian Schwarzmüller. Afterwards, we played with the Scaffolding and then continued to watch more in-depth tutorials about Ionic and Angular.

### Roles



### Workflow

#### Tools

We defined 4 tools to facilitate cooperation:

Tool	Purpose	Price	Advantages	Alternatives
<b>Whatsapp</b>	-Scheduling of meetings -Sharing information rapidly	Free	-Fastest way of communication	Slack
<b>Slack</b>	-Sharing documents -Sharing important information	Free	-Communication in different channels (information is ordered)	Whatsapp
<b>Trello</b>	-Project Management Tool -Assigning Tasks	Free	-Project Overview	-Monday -Basecamp -Jira
<b>Github</b>	-Sharing code -Collecting issues	Free	-State of the art	Gitlab

Although we considered and tried multiple tools, our decision-making process pretty much came down to the pricing as a main factor. For project management we would have favored Monday or Basecamp.

### Major Challenges

#### Solved

- Many collaboration tools are too expensive for a school project
  - → Trello has a free version that is good enough.
- Due to different minors the team members have very different schedules
  - → Defined time periods in which questions via Slack and Whatsapp have to be answered
  - → Shared schedules and defined time frames for meetings
    - Wednesday (17.00-19.00)
    - Monday (17.00-19.00)

### Learning Outcome

- Learned about requirements collection
- Get to know different tools to collaborate effectively (see above)
- Defined guidelines to collaborate successfully:
  - Git Commit Guidelines: <https://chris.beams.io/posts/git-commit/>
  - Response time on Slack <12h
  - Response time on Whatsapp <2h
- Learned about Scrum, Kanban and Lean Startup
- Defined how we use Scrum and Lean Startup
  - 1 Week Sprint
  - Monday, Wednesday and Friday Sprint Meeting

## Frontend

### Design

#### Corporate Design

We made our corporate design with the specifications *"festive, classy but not too plain"*, from our Assistant Pascal Andre.

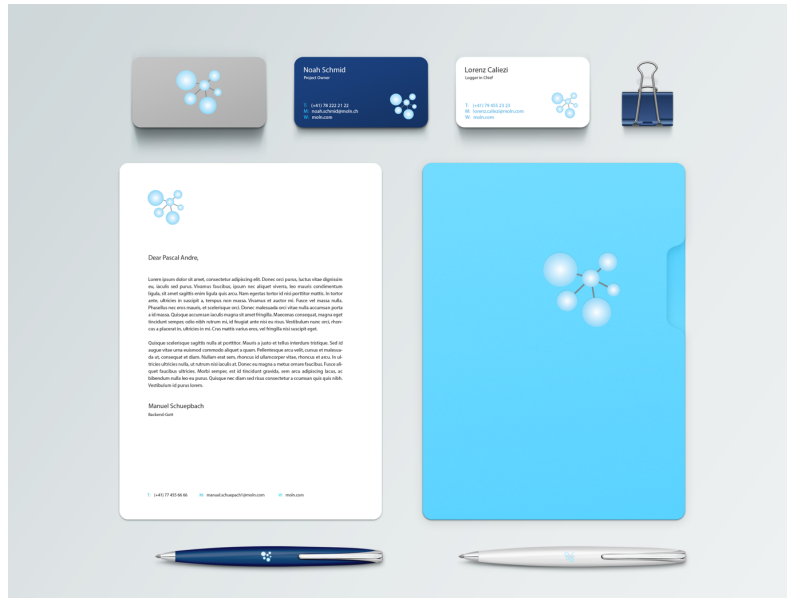
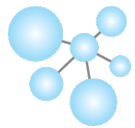


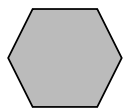
Figure 1: This Photoshop Mock-Up shows our corporate design.

Logo:



Font: Gotham Thin, Gotham Book

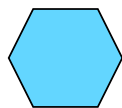
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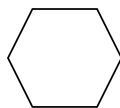
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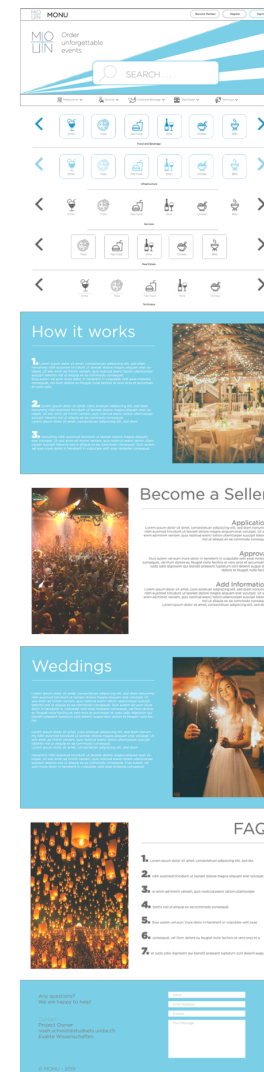


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## Homepage



'Top-Header' - displays logo, login and registration buttons

'Upper-Body' (only displayed on the homepage)

'Bottom-Header' - contains the categories which contain the subcategories

Carousel - Shows each subcategory, sorted by category

Section

Footer

Figure 2: This is what the homepage should look like.

## Subcategory

Each subcategory page will look as follows:

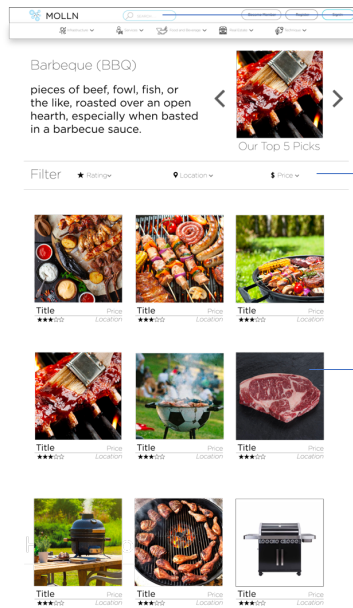


Figure 3: Each of the main categories is divided into different subcategories, which will be displayed like that. This page shows the subcategory **barbeque** in the category **food and beverage**.

The search-bar is no longer in the 'Upper-Body' but in the 'Top-Header'.

A filter allows the user to search more strategically

Each subcategory item is displayed with an image, a title, an image and the price.

## Registration and Log-In

This is the most urgent part of the design. We intend to implement the log-in and the registration as pop-ups.

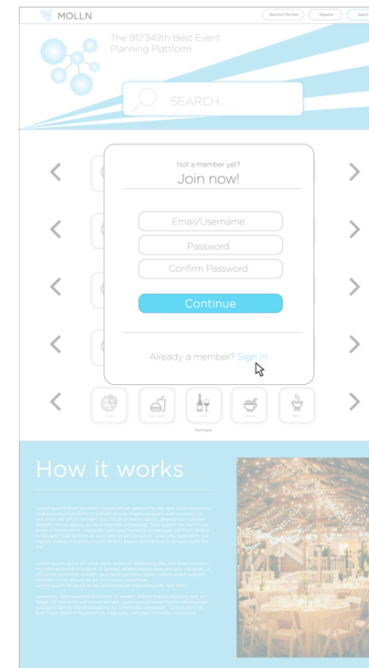


Figure 4: The Registration is a small pop-up. The only requirements are an email and a password which must be confirmed.

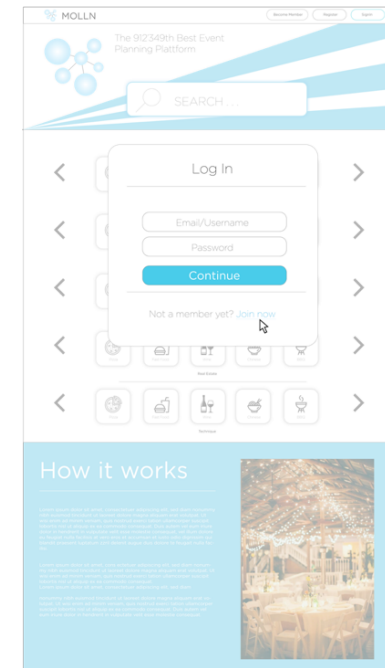


Figure 5: The Log-In is a small pop up. The user must enter email and password to log-in. If the user is not a member yet he can switch to the registration by a mouse click below the form.

## Component Hierarchy

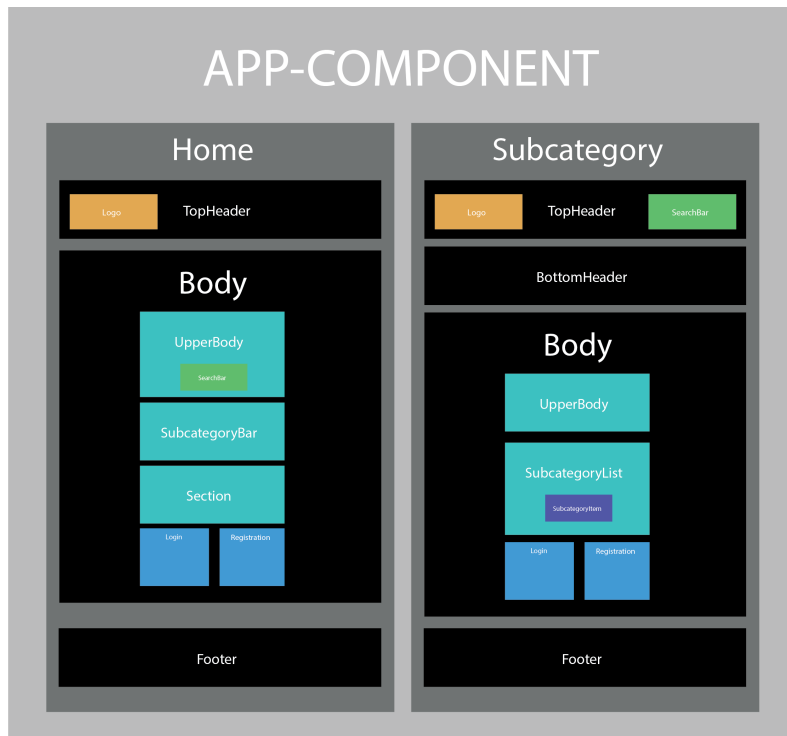


Figure 6: This is our first draft of the component hierarchy. We identified the most basic and obvious components such that the implementation is achievable (Lean Startup Method).

## Implementation

The front-end team started to implement this hierarchy on 09. October. So far, we have built all the components on figure 6 and designed the top-header. Furthermore, we added a bunch of smaller stuff like bootstrap, the favicon etc. (Status as of 14. October).

## Major Challenges

### Solved

- Draft a design that is not too complicated to implement
  - → We aimed to think in components and therefore facilitate an easy implementation
- Learning new technologies in a short period of time
  - → Bought Udemy course in angular and ionic
  - → Knowledge sharing: explain difficult concepts to each other to streamline the learning process.

### Pending

- Make profile
- Handle the called verifying link

## Learning Outcome

- Learned how to build a component hierarchy
- Learned how to use Adobe Photoshop (Mock-Ups), Adobe Illustrator (Design-Drafts)
- Get a better understanding of the project through designing the homepage and subcategory
- Defined how the homepage, login, registration and subcategory page will look like
- Learned the basics in Angular and Ionic (in progress)

## Backend

### Major Challenges

#### Solved

- Setup Database
- write code for the different http requests a user can make for login and registration
- sign up
- login
- delete
- email verification
- get specific user by id
- update user information
- make a function that checks the authentication (the signed token) of a user

#### Pending

- Write tests using mocha
- use typescript instead of js
- make good documentation using JSDoc
- how to handle an admin user (separate database?, special field?)

#### Learning Outcome

We learned how to handle HTTP requests on certain paths of the webserver. And how to connect a database to our API to insert users into it. Furthermore, we know how to automatically send emails via a SMTP server.