1. First customer meeting regarding requirements
   1. Preparation
   2. Outcome
2. Second customer meeting regarding requirements
   1. Preparation
   2. Outcome
3. Requirements (including user stories/ use cases)
   1. Process (how we created/ analyzed user stories/ use cases)
   2. Overview of user stories and use cases (including at least one diagram)

Requirements for the blog that Sandro gave us:

• present the requirements for the selected course project:

* requirements, user stories/use cases, estimated time -> in 3.2
* at least one use case diagram must be contained (think of a respective scenario) -> in 3.2

• answer the following question:

* How did your team gather requirements? -> in 1. And 2.
* How did your team analyze requirements? -> in 3.1
* How did your team specify requirements? How did you map requirements to

user stories/use case? -> in 3.1 ???

• present examples for wrong assumptions:

* How did your team identifies wrong assumptions? -> in 2.2 -> we assumed that the customer wanted deletion of categories -> he told us that it is not required

1. Customer and Team Meetings

In the run-up to the meeting, we thought about aspects which could be important for the activity tracking app. After that, we extracted some questions to get as much important information as possible from the customer. Furthermore, those questions should point out aspects, which have not been considered by the customer.

We left the customer meeting with a lot of notes, which we, in a first step, put into natural language non-functional requirements. In the next step, we extracted user stories out of those requirements and put them into ZenHub. Since some user stories are related to others or belong to a common functional area, we decided to create epics and assign user stories to them where appropriate.

After this process has been finished, we started reading out every single user story and every team member was asked for his or her understanding of it. This approach lead to a more precise phrasing of some user stories, but most importantly to a lot of questions, which should be brought to the table during the second customer meeting.

As mentioned in the previous paragraph, we gathered a lot of questions to clarify some uncertainties about the requirements collected so far. Since we could not be sure that the time of the meeting would be sufficient to cover all our questions, we prioritized them. Questions which seemed to be very important in this early stage got top priority, while others, like the name of the app, have been considered as less important.

For our team the second meeting with the customer was a real success. The customer recalled the requirement that it should be possible to delete categories and we have also been able to clarify all our questions and received good input for our next team session, which we used to specify and complement the existing user stories as well as to create some use case diagrams.

The third meeting with the customer should be used to present our use case diagrams and user stories.

In contrast to the first two customer meetings, our team decided to set up an additional meeting right before the third one. This happened due to open discussions about the use case diagrams and to prepare the presentation of our user stories for the customer. This helped to enter the meeting with a common sense of what we want to present and achieve.

The presentation of our user stories lead to two positive outcomes. Mainly the customer confirmed that we covered all currently known requirements with our user stories. Secondly, we have been able to clarify the detailed functionality to be provided by our app and clear up some more wrong assumptions that we have made. One of those was that we should not provide predefined activities to the user. The second one was related to the actual logging of the activity. While we assumed the user can just press “start activity” or “stop activity” and the current system time will then be assigned to the chosen activity, the customer wants the manual specification of a start and end time of an activity to be mandatory for the user. That produced the content for our next team meeting. In the first few minutes we further specified our user stories. This has been followed by the creation of a rudimental draw, which shows the various areas to be created for the app. We used this to allocate work to groups consisting of two team members each, respecting our earlier agreement that at least two members should have knowledge about a specific topic.

[Picture of the white board ???]

The repeated customer meetings helped to get a common understanding of what the customer actually wants and what we are able to implement. This is meant to avoid incomplete requirements or wrong assumptions about requirements, which can lead to problems at later stages of our project work.

* 1. User Stories
* As a user I want an app, which allows me to monitor my activities
* As a customer I want the app to be optimized for android mobile phones
  + As a Customer I want the app to be compatible with Android 7 & 8
* As a user I want to log my activities in the app
* As a user I want to log the times of my activities in Date-Hours-Minutes
* As a user I want to be able to choose and modify the start and end time of my activities
* As a user I want to review my activities
* As a user I want to review my activities by a calendar-like interface
* As a user I want a graph in my summary to visualize my activities
* As a user I want to filter/ search past activities by Category and time
* As a User I want to (add: be able to) receive a mail report after a specific amount of time
* As a user I want ~~to be able~~ to see a text summary of my past activities
* As a user I want to be able to secure my app
* As a user I want to be able to set a PIN
* As a user I want to have security questions
* As a user/ customer I want an appealing GUI
* As a user I want to have a default theme
* As a user I want to have appropriate icons
* As a user I want to set goals and check if I met them (nice to have)
* [As a user I want to receive push messages for my goals and schedules](https://github.com/dbse-teaching/isee2018-currywurst/issues/25)
* As a user I want to have a textual information about my scheduled activities’ progress
* As a user I want to have a progress bar for me scheduled activities’ progress
* As a user I want to use the app from the lock screen
* As a user I want to customize my app
* As a user I want to specify names of activities and categories
* As a user I want to modify ~~and delete~~ activities and categories
* As a user I want to be able to apply different themes to the app
* As a User I want to assign colors to categories

As a customer I want a handful predefined categories ~~and activities~~ (No Epic)

[Use Case Diagram One]

[Use Case Diagram Two]