

Mobile Computing – Submission of our vision

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Acronym: **UniTrack**

Idea:

An application for our university with integrated tracking system. Different user groups can be shown on a map of the campus. Each building on the map provides information about activities taking place in there. For example sport events in building 11 or the menu of the mensa. Users can also give feedback on the different meals on the mensa. The tracking system consists of a right management. The app also includes a functionality where you can update the parking situation so other students can see whether there are free parking slots left. Furthermore you can create private and public events for different user groups and show them on the map. There is also a possibility to set up appointments with other users.

Therefore our features in this project will be as follow:

- **Tracking:** the tracking feature allows you to locate different people around campus after adding them into your friend list, you can turn off the feature whenever you want and go into ghost mode.
- **Parking system:** 1st option → this feature asks you to input whether the car park is busy or not, and it makes you earn credits whenever you do that.
2nd option → is to give information to the users who want to park their cars so that they know if there are enough spaces for their cars or not.
- **Create events:** this feature is similar to the one in facebook, it gives you informations about the events in campus like persons who are participating, location of the event and a small description. Private events can also be created for a special group of interest like setting up a party or a football game.
- **Mensa menu:** it displays today's menu, and gives the user the right to make a feedback about the food, for example he can rate for the quality in the shape of stars, or in the scale from 1 to 5.
- **Appointment system:** basically it allows the user to set appointments with other users like group meetings or study groups, or even with professors. And also set a reminder about the appointment one hour before the event, and get to confirm or decline.

Motivation:

Tracking friends and colleagues makes it easier and faster to meet them on the campus. Information about buildings and events taking place could increase the attendance. The right management for the tracking system allows each user to configure their own settings.

Searching for a parking slot or a public printer can be time consuming and the feature of the app helps reducing that time. The feedback option for the mensa allows users to vote for the quality of the food. The event feature makes connection between students easier and faster and also increases the attendance.

Small research:

There are several Apps that work with the tracking and position of people, but not with the intended use and target group of our App. The main focuses of the apps are mostly a security aspect, for example the tracking of children for their parents, or something like a spy/revenge app to get the position of your girl-/boyfriend to check if they are really at the place they told you and not out cheating somewhere.

Another app that covers an aspect of our idea is an app where you can go to places and kind of check-in in the app, so that you can for example see who else is at this particular restaurant to possibly meet up.