Project Mission v1: LTH's Automatic Reservation System (L.A.R.S)

Background

LTH has thousands of engineering students that use the publicly available computers around the campus every day. Today students scour every room until they find an available computer. This can lead to frustration among the students and instead of studying, their time is wasted on searching. Therefore LTH has decided to develop a reservation system for computer reservations throughout the campus.

Goal

The goal for this project is to provide a service that makes it easier for students and employees to find currently available computers and to make computer reservations.

Functionality

- The ability to reserve a computer at a specific time
- Be able to see currently available computers
- The system should integrate with LTH's schema system
- The system should integrate with LTH's authentication system
- Students and employees should use their user credentials for ladok to login e.g. "ada08mli"
- DDG should be able to mark computers as broken
- Various clients should be able to communicate with the system (Android, iOS, web)
- A user should be able to see a visual overlay of the computer rooms with the status of every computer (reserved, available, broken)
- An available computer will be marked as reserved at login
- The reservation should be cancelled if a user has not logged in within 15 minutes of the specified reservation time
- Employees and teachers should be able to reserve the entire computer room
- Employees and teachers have reservation precedence i.e. they are able to overwrite a student reservation if they need a computer
- A student should be notified if his reservation has been overridden by a teacher or employee

Roles

The development team's mission is to create the software requirements specification for L.A.R.S so that the system can developed and integrated into LTH's infrastructure. The customer team is product owner and decides on priorities and scope.

Group F

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