

SWENGB - LAB 05

AGENDA

- Avatarix - Presentation
- Tic Tac Toe
- Project
- DBTool

PROJECT

- Remote File Browser
- Pizza Hut FX
- Courseware

REMOTE FILE BROWSER

- Client <-> Server <-> Client

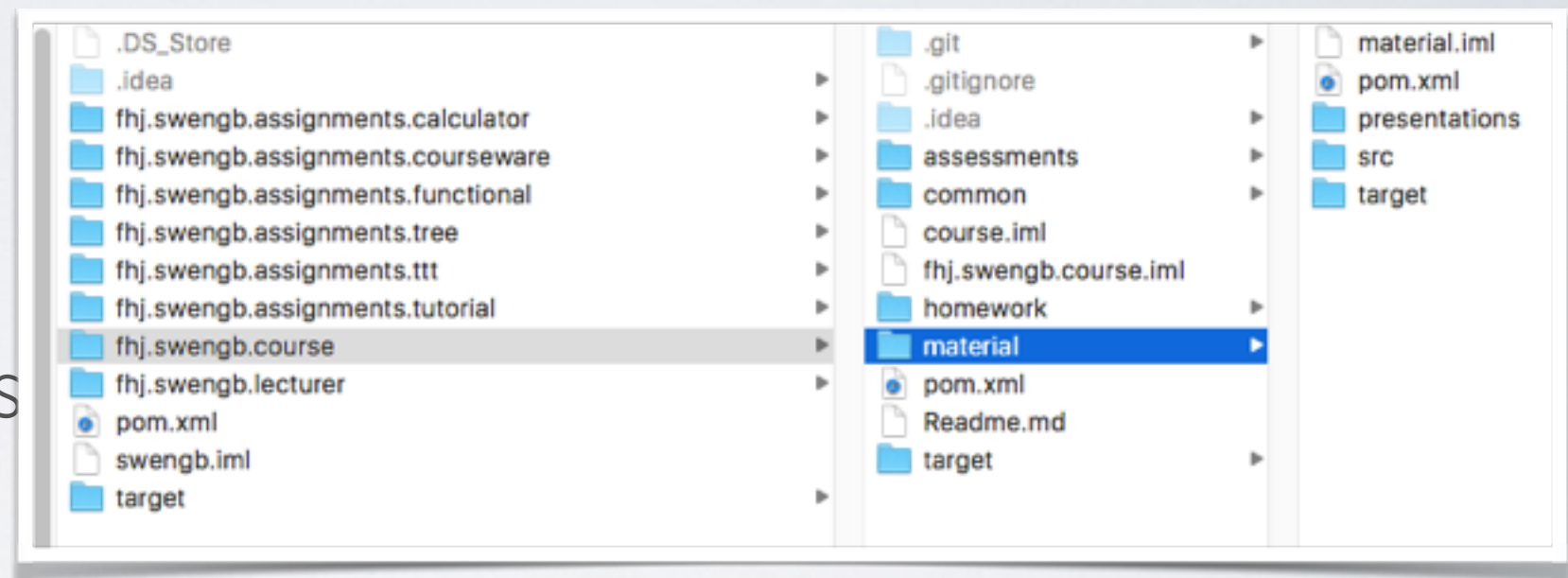
- MQTT Protocol

- Supported operations

- download

- delete

- put



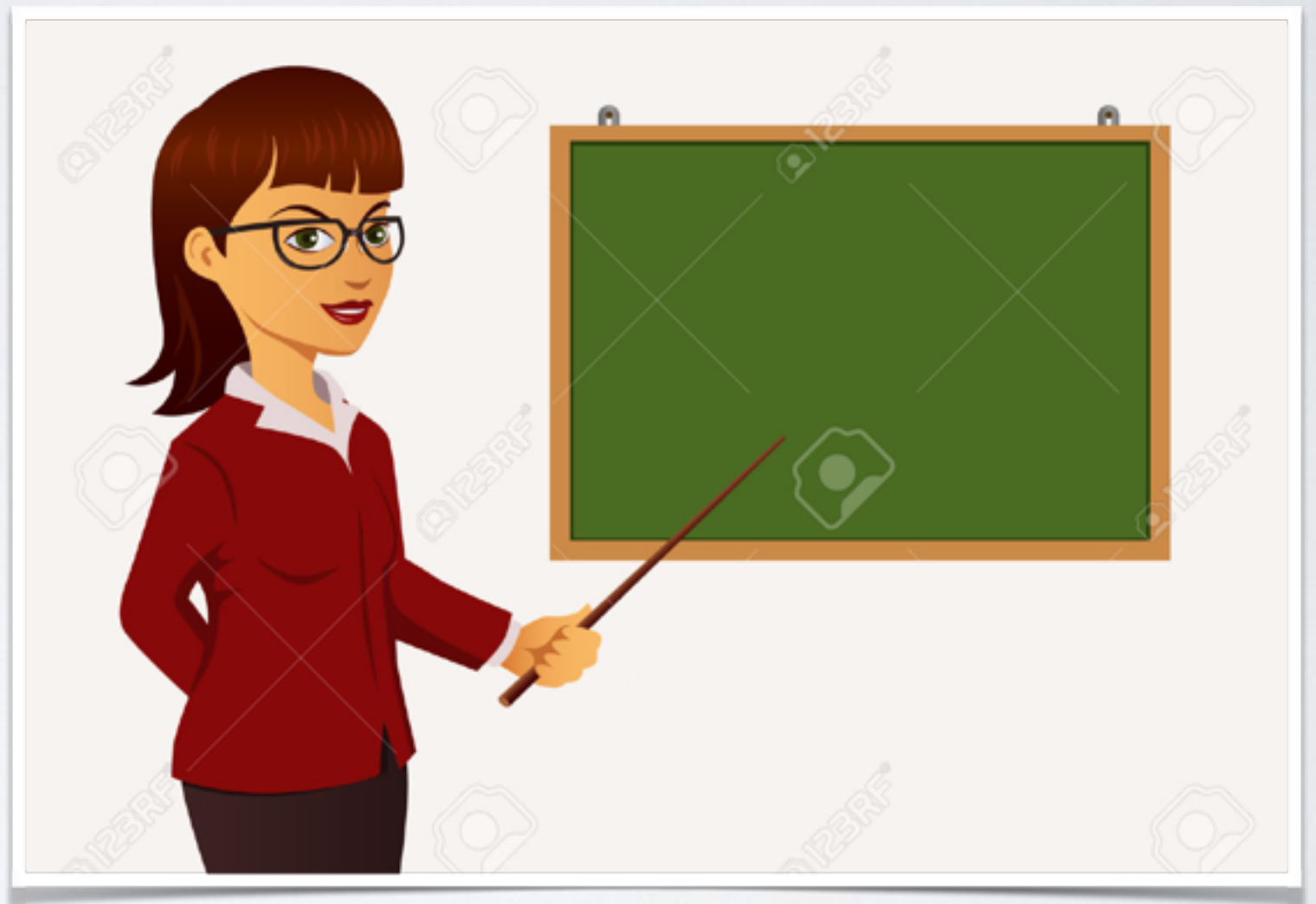
PIZZA HUT FX

- Create a game which simulates the stress in a pizza restaurant
- several customers demand different meals
- you have to serve them meals
- different resources are needed for the meals
- customers get angry if they aren't being served ...
- high score saved in database
- bonus: contains animations



COURSEWARE

- Model our SWENGB course
- there are students, a lecturer, classrooms ...
- homeworks, projects, assessments
- you have to create reports (markdown/bootstrap)
- backed by a database



ORGANISATIONAL

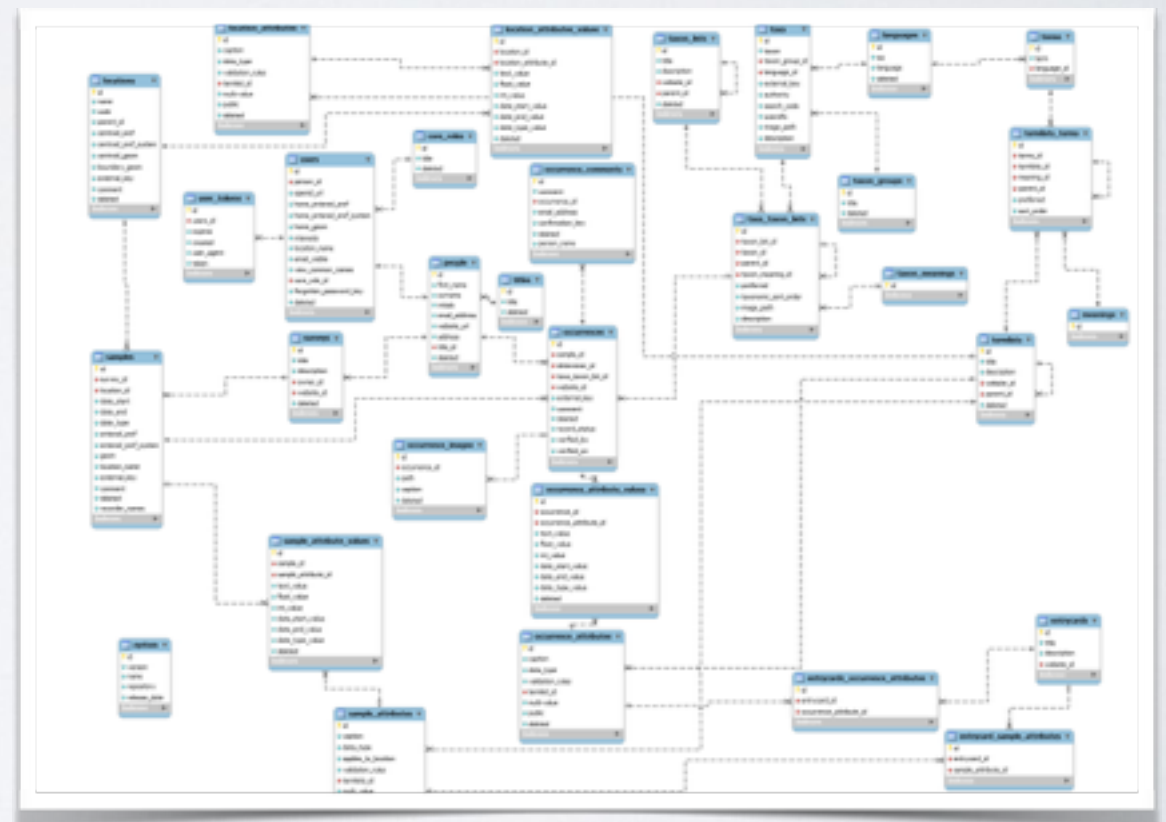
- One github repository per team
- Written design document, scope definition until next friday for every group
- Present a project proposal next friday (Design and defined scope of the project)



DBTOOL

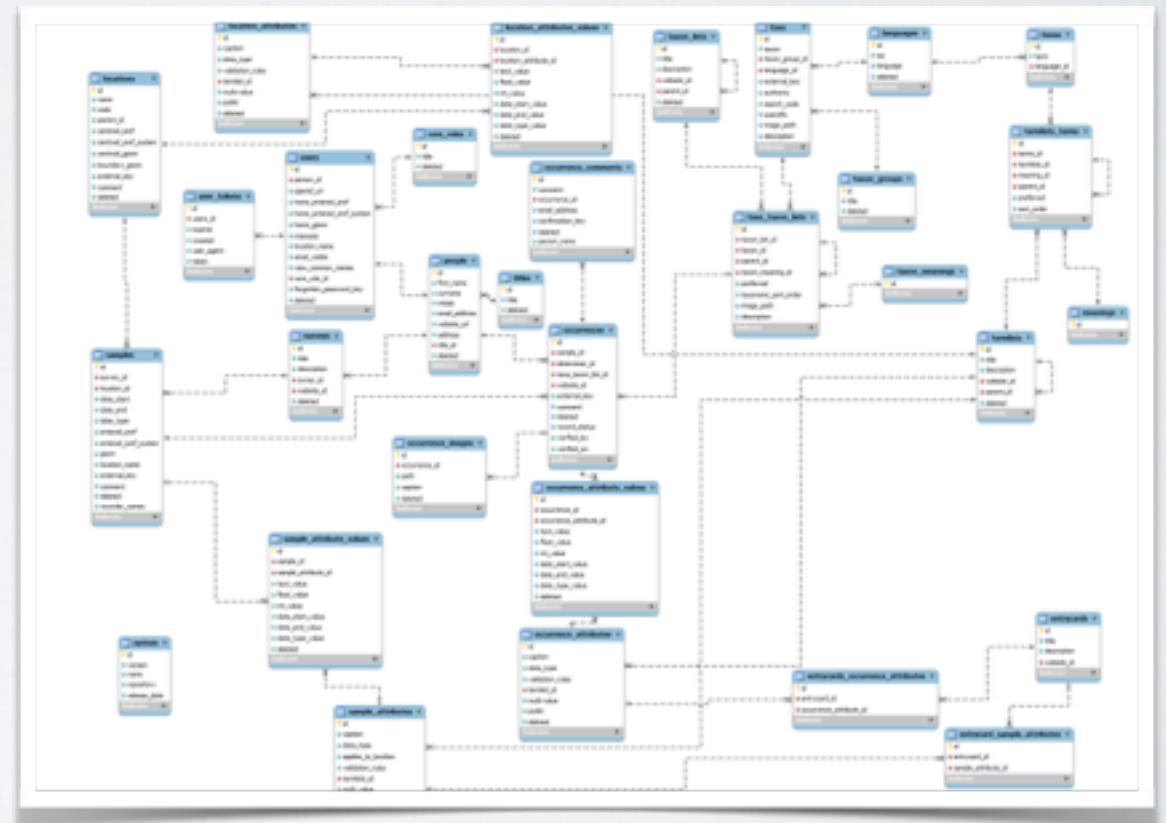
DBTOOL

- Persist data in a in memory sqllite database
- Create your own project and repo on github
- Use everything learned so far
- Model a simple store with
 - clients, products
 - product categories, receipts



DBTOOL

- Start with a entity relationship diagram
- model your case classes
- extend `DbEntity[T]`
- implement sql



DBTOOL

- Create simple query facilities
- either gui (javafx) or command line