

S.C.O.R.E. Scheduling

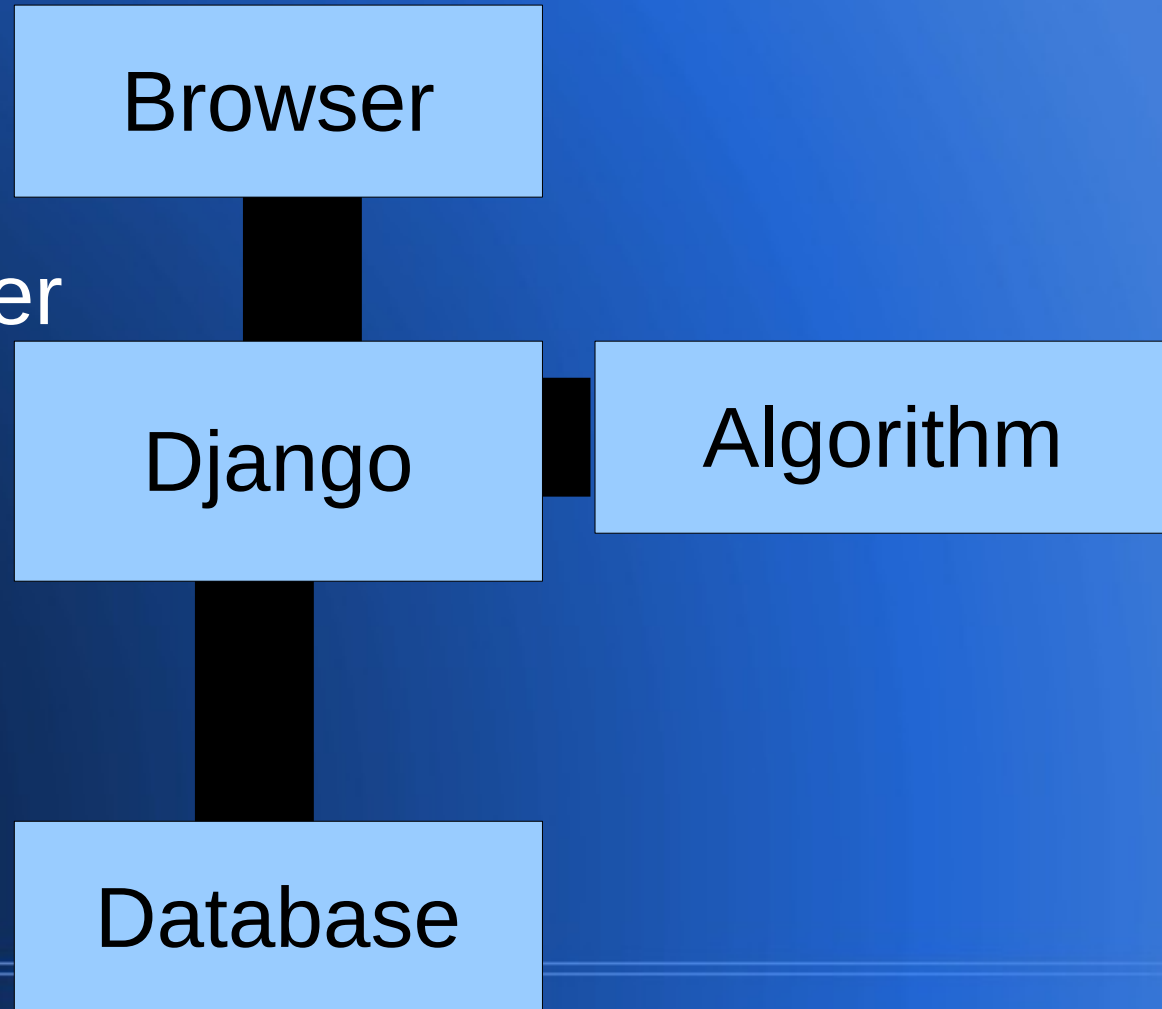
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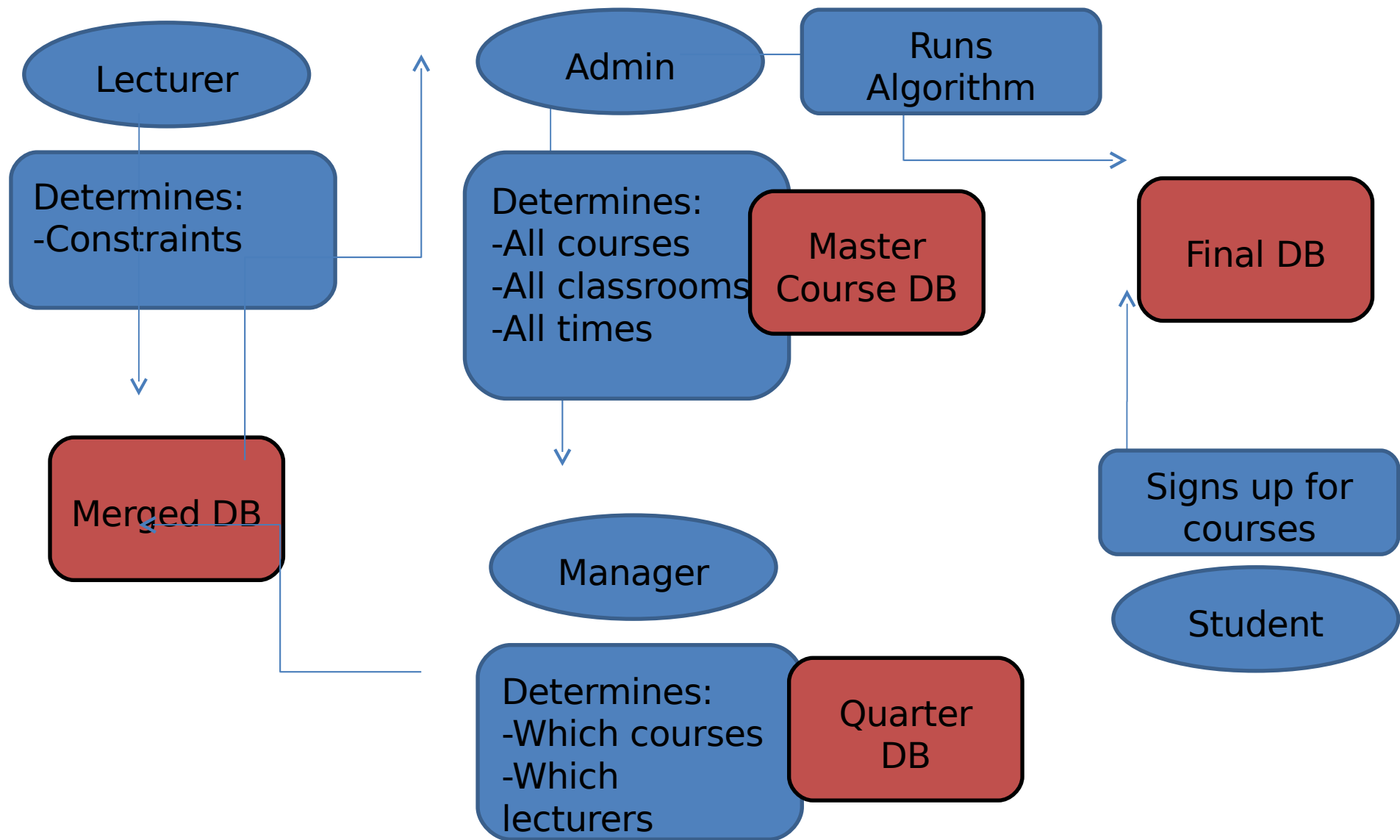
Recap

- Score Project
- Optimizing Course Scheduling for Universities

High-Level Architecture

- Storage: MySQL
- Protocol: HTTP
- User Selected Server
- Major Processes
 - Django
 - Algorithm





Final Flow chart

In depth: UI

- Dynamic HTML
- Four Different UI's

Log in screen for all users

Browser window

Welcome to the UCSC MyPortal website
Please enter your username and password to continue



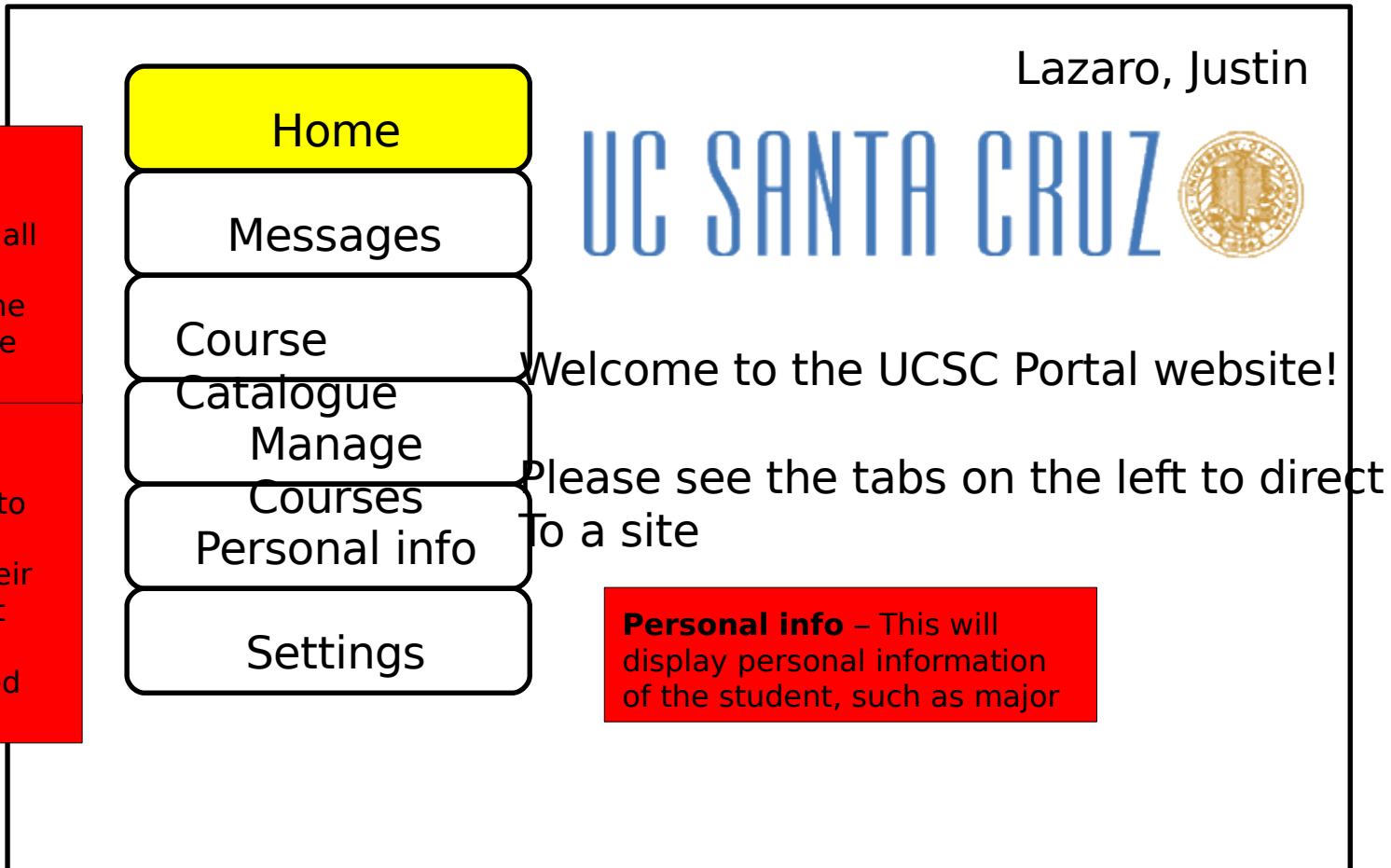
This is the main
Log-in screen for
All users of the
MyPortal website

Username

(your ucsc email address without the
@ucsc.edu)

Password

Student Home UI



In Depth: Django

- Handles Network Communication Protocols
- One Thread Per Request

In Depth: Algorithm

- Similar to Genetic Algorithms
- Picked over Constraint Solvers

Risks

- Getting the Algorithm wrong, or not finding a suitable one
- Server Crash

Timeline

- Algorithm: 1-2 Months
- UI: 2-3 weeks
- Django: 1-2 Months