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

Django

Browser

Algorithm

Database

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 UC SANTA CRUZ

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

Student Home UI

Course Catalogue –

This displays all the available courses for the quarter on the database

Manage Courses –

Allows users to manage the courses in their shopping cart and courses already signed up for Home

Messages

Course Catalogue

Manage Courses

Personal info

Settings

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Welcome to the UCSC Portal website!

Please see the tabs on the left to direct To a site

Personal info – This will display personal information of the student, such as major

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: 3-4 weeks
- UI: 2-3 weeks
- Django: 1-3 weeks