S.C.O.R.E. Scheduling

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Recap

- Score Project
- Optimizing Course Scheduling for Universities

High-Level Architecture

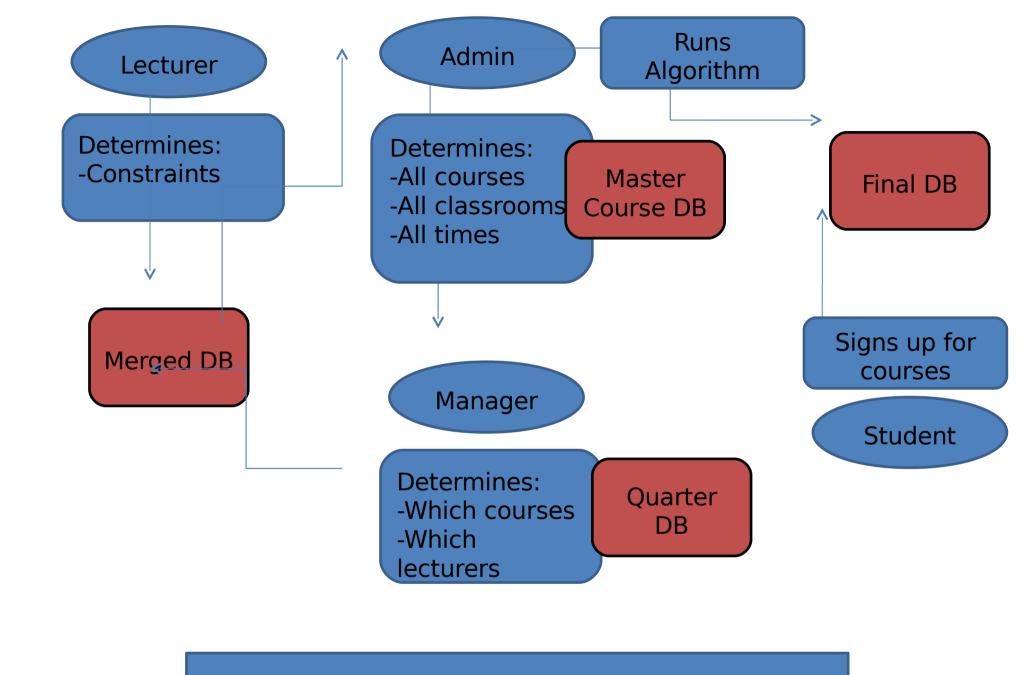
- Storage: MySQL
- Protocol: HTTP
- User Selected Server
- Major Processes
 - Django
 - Algorithm

Browser

Django

Algorithm

Database



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

Lazaro, Justin Home IIC SANTA CRII7 Course Catalogue -Messages This displays all the available courses for the Course guarter on the Welcome to the UCSC Portal website! database Catalogue Manage Manage Courses -Please see the tabs on the left to direct Courses Allows users to To a site manage the Personal info courses in their shopping cart Personal info - This will Settings and courses display personal information already signed of the student, such as major up for

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