CIS 192: Python Programming

Web Development II

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Game Plan

1. Django Project Structure
2. URLs, Templates, Views
3. Models, Admin Page, Querying
4. Migrations, SQL Relationships
5. Accounts Basics
• Developed in Fall 2003
• Breakthrough for database driven sites
• Foundation founded in 2008
Project Structure

- Top Level Structure (e.g. settings.py)
- Functionality divided into Apps
- SQL Backend
- HTML Templates
- Can extend into a REST API
Structure Paradigm

- Model, View, Template paradigm (really just MVC)
- Model=Database, View=Views, Template=Template
Organization Using Django

1. Instagram
2. Pinterest
3. NASA
4. The Onion
5. Penn Labs
Everything is so easy!
Some Free Stuff

1. Rendering Engine
2. Database ORM
3. Authentication System
4. Admin Page
See you next week! 🐍