

smarthome

Group 5

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smartHome - What is it?

- An intelligent software system that integrates itself within your home
- Remotely control your entire home
 - Use the web app to view and interact with devices
- Autonomously control your home
 - Utilizes rules to interact with devices

How?

- Mobile Web Application
 - Utilizes Java ServerFaces to create a streamlined, easy to use interface
 - “Model-View-Controller” software pattern
- MySQL Database
 - Managed by the smartHome company
 - Logs all of the information about your home system

Today's Demo

- Web Application
 - Implemented with Java ServerFaces
- 3D Simulation Software House
 - Implemented with Java 3D
 - In order to show you first hand how it might work in a real home

Today's Demo

Use Cases

- Mobile Web App
 - View Device statuses
 - Add/Remove Users
- Simulation Software Home
 - Arrival
 - Based on user proximity, unlock/open doors, turn on lights, etc.
 - Monitor Water Usage

Plan for the Semester

- Fully working application
 - Live user management
 - Live device management
 - Currently limited by our knowledge of Java and MySQL
 - Mobile access
 - Moved to live server
- Full interaction between the application and software house