Psychiatric App – PsyGuide

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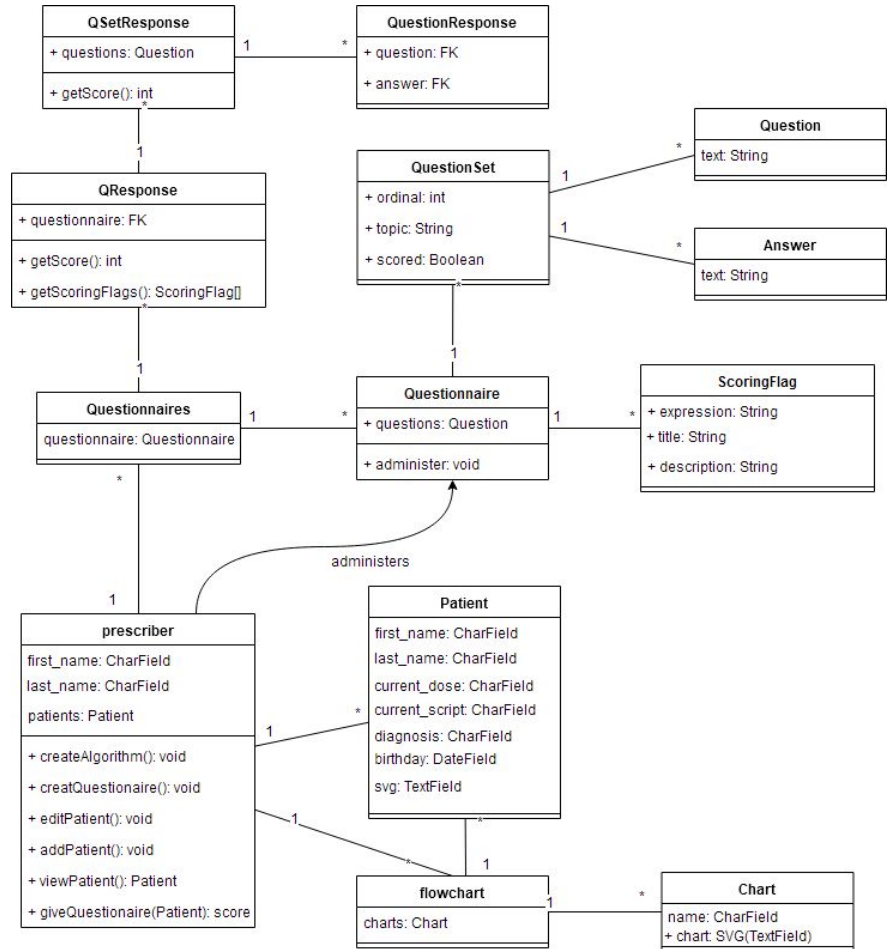
System Design Patterns:
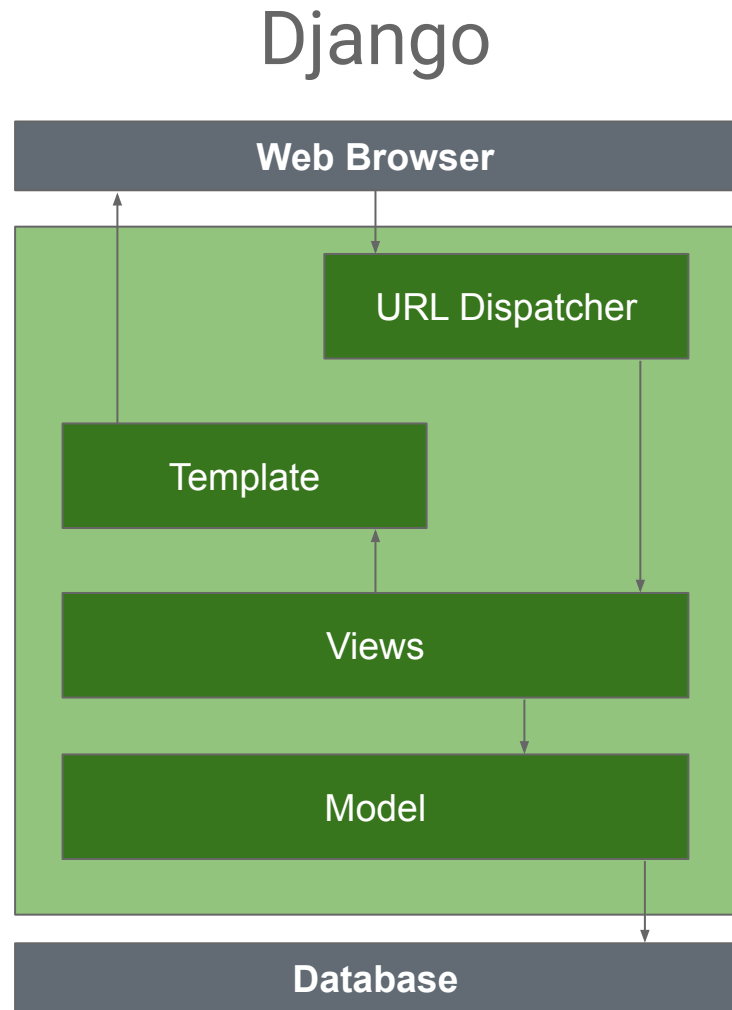
Django

System Architecture

UML:

Design Choices for Code Quality

- Secure and uncommon password required for viewing screens
- Django native login for simplicity
- Modular 'django apps' for increased reusability and code clarity
- Common page headers and assets shared amongst all apps
- Bootstrap used for cross platform friendly web layout

Specific Testing

- Unit tests
    - Test to make sure code runs through smoothly.
- User tests
    - Date formats need to be clearer
    - Flowchart editing not intuitive
- Travis for continuous integration

General Testing

- 7% direct unit test coverage using the python tool coverage
    - Most logic is built into django's underlying framework

- End to end tests with Selenium
    - Ensure HTML functionality, and that underlying code is functional

Demo

http://psyguide.xeviansoftware.com