

FIU VIP Senior Project, 2016, Fall Neat 1.0

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Problem

Life is complex: full of problems & tasks that we must solve simultaneously, and it can get overwhelming. This is true in particular for students, who must sometimes juggle with project deadlines, studying, work, family, and any number of other activities.

Solution

Neat is an application that aims to make it easier to manage life's problems through the tried and true Agile principles.

With neat, people can categorize their goals & list the tasks required to fulfill them in a timely manner. In return, neat provides valuable progress feedback through smart algorithms.

My core tasks for neat 1.0:

- Develop a secure & efficient backend to store & manipulate data
- Develop a REST API for data transfer
- Create an UI/UX mockup for future frontend development

Current System

Status: The backend is live on an AWS server, fully accessible from a browser. The iPhone application runs natively in the device, is fully connected to the backend, and has many features implemented such as login, view dashboard, and add assignments

My contributions to the current backend system:

Token & session authentication (

Passwords securely stored with PBKDF2 / SHA256 hash •

E-mail verification & e-mail password reset support 🕏

Filtering & automatic user data retrieval based on token 🖢

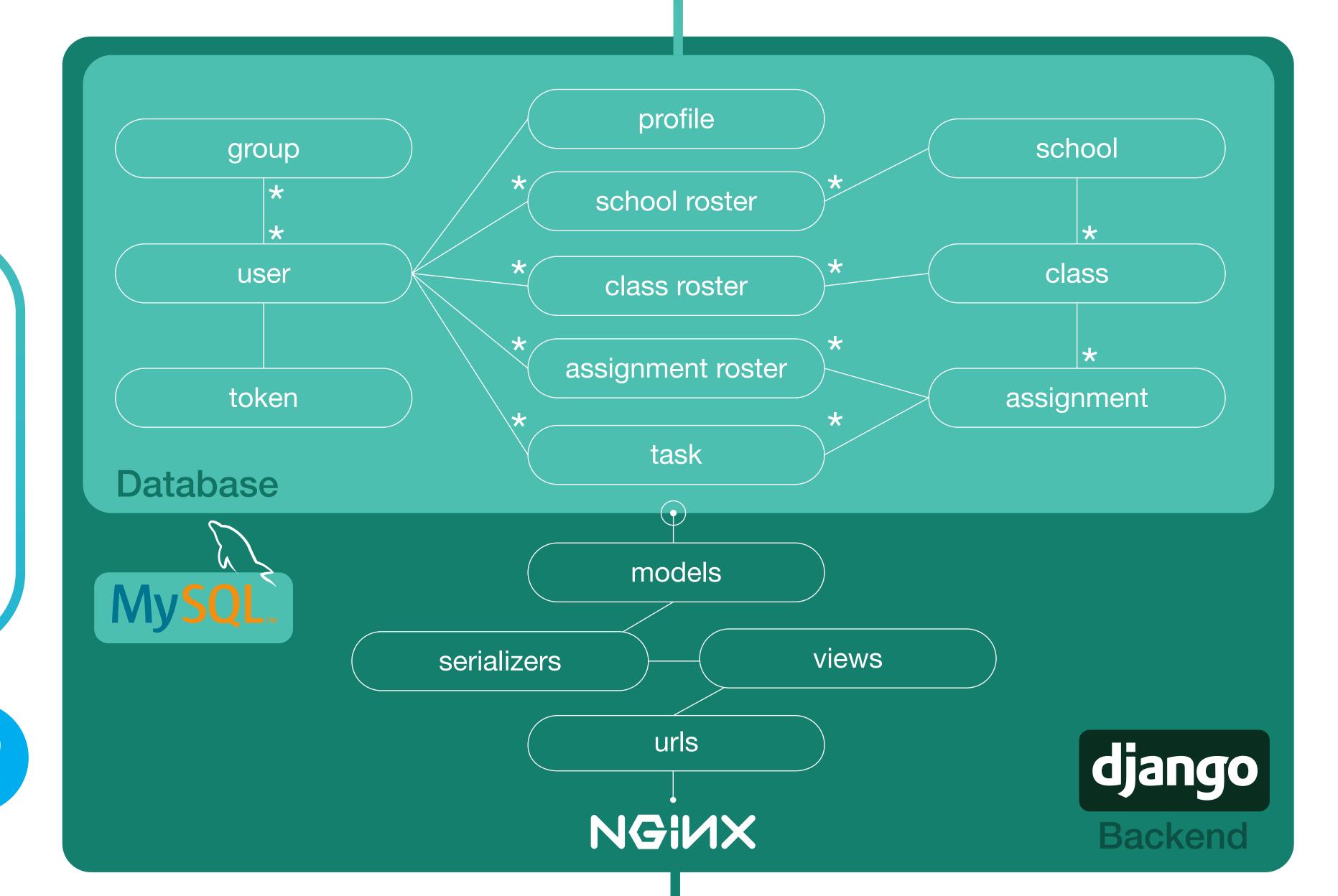
REST API with endpoints to get, add, & update models •

Smart progress algorithm •

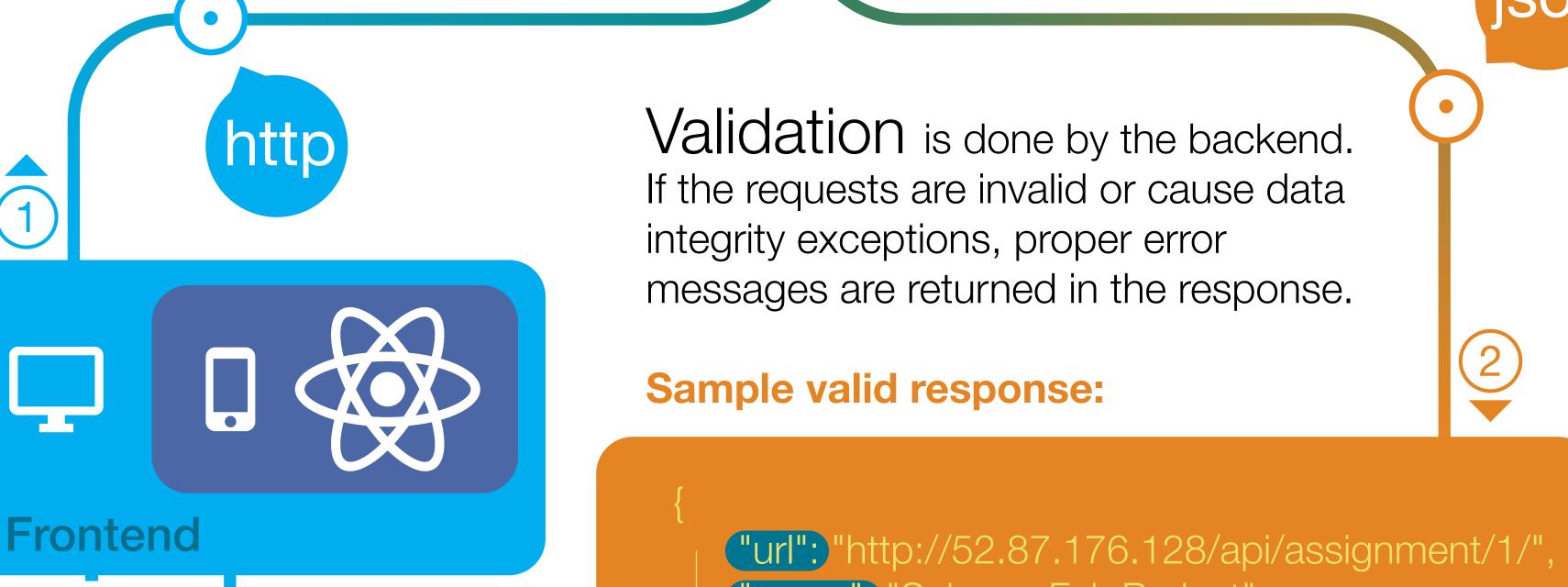
Acknowledgement

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Fernando Campo
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•) Response



Request

"name": "Science Fair Project",
"startDate": "2016-11-20T17:05:05.174682Z",

"dueDate": "2016-11-23T00:00:00Z",

"classFK": "http://52.87.176.128/api/class/1/",

"expected": 0.7187178949952164, "progress": 0.66666666666666666,

"smart status": "Slightly Behind"

Mockups

