

ThiccDoggos Presents:

Code Review Web Application

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Roles

PM - Kathy

FrontEnd + Mongo - Ayman

Backend - Kevin

Summary

A website to facilitate code review for intro students. Students should be able to upload files, and look at others' files. Students should also have the ability to provide feedback and look at the feedback given to them. Teachers should be able to assign other students the ability to look at the files, and provide a checklist of things to look for in the evaluation.

File Structure

File Hierarchy

~/

app.py

static/

css/

styles.css

js/

app.js

utils/

data.py

templates/

base.html

index.html

login.html

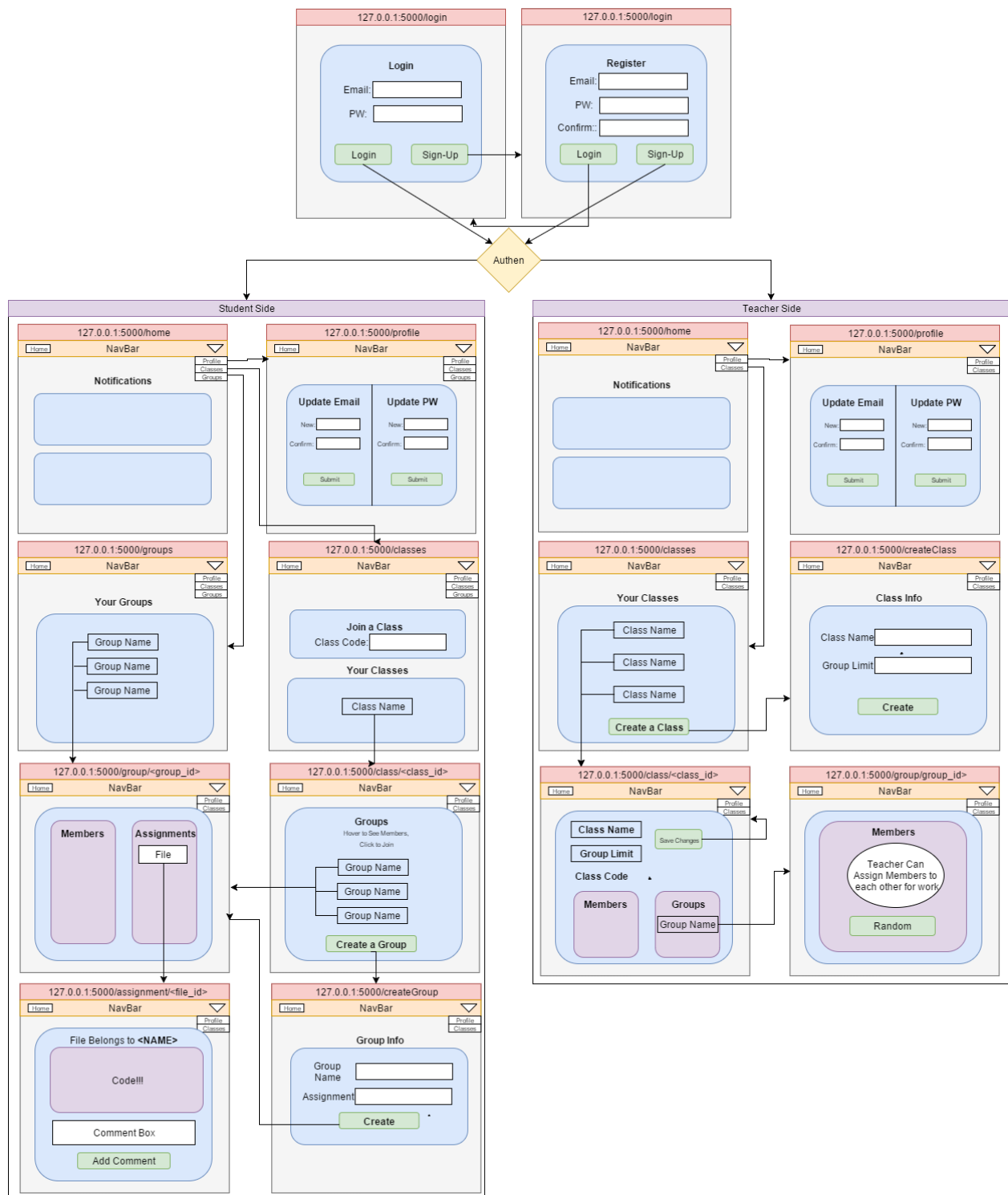
Register.html

Assignment.html - view/upload/remove hw, comment on hw

Class.html - ability to join groups

profile.html - navbar to sublinks and update user info

Site Map



Database - Mongo DB

Students{

```
_id: <Object ID>
email: <String>
password: <String>
profile: {
    first_name: <String>
    last_name: <String>
    OSIS: <Integer>
}
groups: <List of Object ID's>
classes: <List of Object ID's>
files: <List of Object ID's>
```

}

Teachers{

```
_id: <Object ID>
email: <String>
password: <String>
profile: {
    first_name: <String>
    last_name: <String>
}
classes: <List of Object ID's>
```

}

Classes{

```
_id: <Object ID>
name: <String>
group_limit: <Integer>
members: <List of Object ID's>
groups: <List of Object ID's>
class_code: <String>
```

}

Groups{

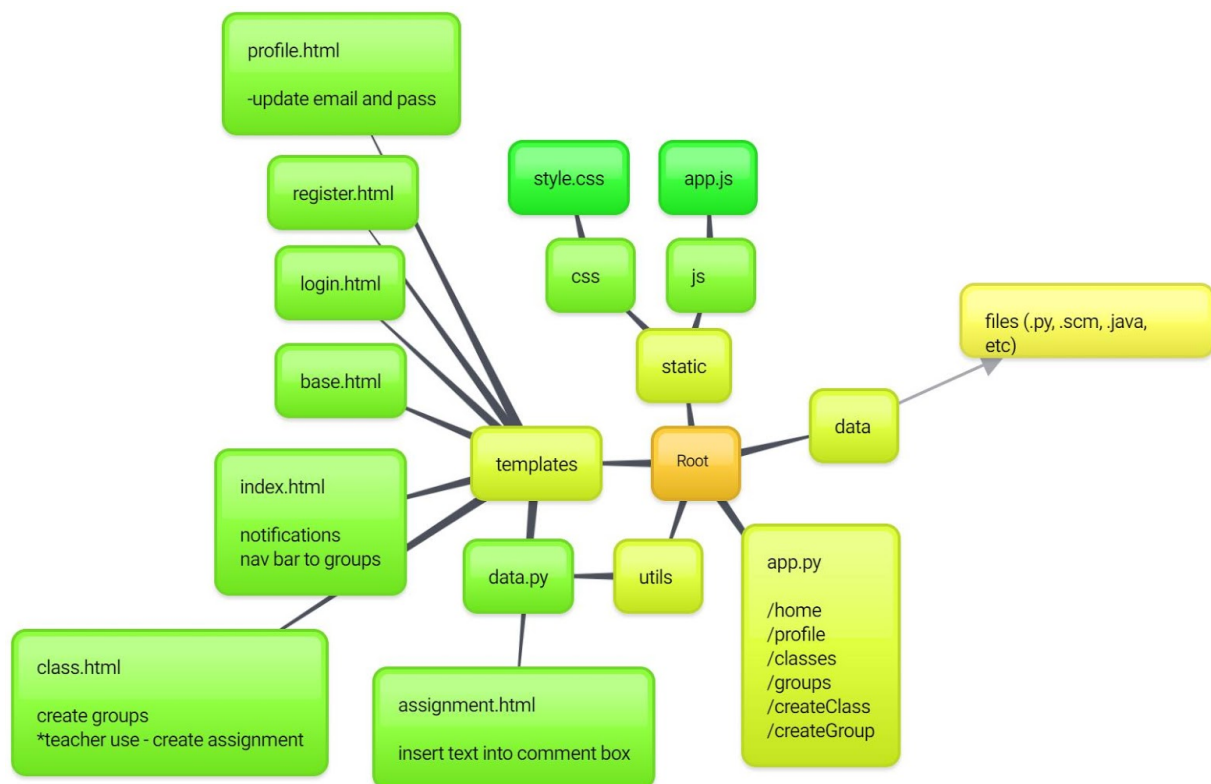
```
_id: <Object ID>
name: <String>
members: <List of Object ID's>
Assignments: <List of assignments>
```

```

    }
    Comments{
        _id: <Object ID>
        group_id: <Object ID>
        class_id: <Object ID>
        commenter_id: <Object ID>
        comment_content: String
    }
}

```

Component Map



created with www.bubbl.us

Style Guidelines

- *Comment function name and purpose; ex:*
Function name : purpose
@vars

Variable Name : Purpose
@return
Return value

- *Inline comments to explain algo*
@app.route("/ayylmao") #do dis
def function():
 Print something
 Do(something) #Comment Like This
 Return something

Stages of Project

[Wed 05/17/17]

1. Finish Login/Register,
2. Have upload/remove/view file functionality,
3. Finish Creation of Mongo Database,
4. Let teachers create assignment and set group size

[Sun 05/21/17]

1. Let students join class through class code,
2. Have students be able to input block comments,
3. Have teacher be able to add comments

[Sun 05/28/17]

1. Let students/teachers comment on specific line of code,
2. Enable teachers to add other teachers

[Sun 06/04/17]

1. Debug, if time permits,
2. add feature of running the code on real time on the site

[Sun 06/11/17]

1. Debug, repeat, debug

[Wed 06/14/17] Due date