**Team Name:** BrevityFinesse

Members: Henry Zhang, Julian Atkin, Yuki Chen, Billy Wong

#### **Roles:**

Henry: Project manager

Julian: Javascript / Front-end Yuki: Database management Billy: Back-end management

## **Mission of project:**

Ticketing system for the tech services department. Teachers call Angela for some issue. Angela makes a log and contacts Sydney or Joe. It would be nice to have a system that teachers can fill out a ticket online and Sydney and Joe gets a message on their cell phone. Or they still call Angela and she logs in the ticket in the same system and it automatically contacts Sydney/Joe. Sydney and Joe should have a feature to respond to teachers (tasked completed, time, schedule a time frame like the cable guy, deferred until tomorrow, etc).

#### Features:

- Four levels of accounts -- superadmin, admin, teacher, tech
  - Superadmin (only one)
    - All admin privileges
    - Ability to grant/revoke admin privileges
  - Admin
    - Complete access to teacher and tech functionality
    - Ability to create accounts (techs and teachers)
    - Can toggle guest functionality to prevent harmful activity
  - Teachers can create tickets, and see past & pending tickets and their status
  - o Techs can accept tickets, rate ticket urgency, update on status
  - o Guests can submit tickets when guest functionality is on
- Email/text techs when new ticket arrives
- Email/text teachers when ticket is fulfilled or when status changes

## **Database Schema (SQL):**

Tickets: teacher side; tech side

INT 7	TEXT	TEXT	TEXT	INT	INT	TEXT	TEXT	INT	INT	INT	TEXT
prima ι	usern	teach	date	room	tix_su	tix_b	tech_	urgen	statu	time_u	email
ry key	ame	er_na	of	_num	bject	ody	name	су	s	ntil	(option
		me	ticket					(code)		(epoch)	al)

#### Notes:

- Req\_subject is the type of trouble to be chosen from a dropdown by the ticketer
- Req\_body is the comment that the ticketer has to make
- Teacher\_name will be filled automatically if logged in with teacher account

#### Users

INT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	INT	TEXT
primary	usernam	last_nam	first_na	email	passwor	salt	level	phone_n
key	е	е	me		d			um

#### Notes:

- Salt is the unique hash provided to each user's password
- 4 levels of accounts: superadmin, admin, tech, teacher

### **Component Map:**

## **Python**

- auth.py
- db\_manager.py
- ticket\_manager.py
- message.py

## **JavaScript**

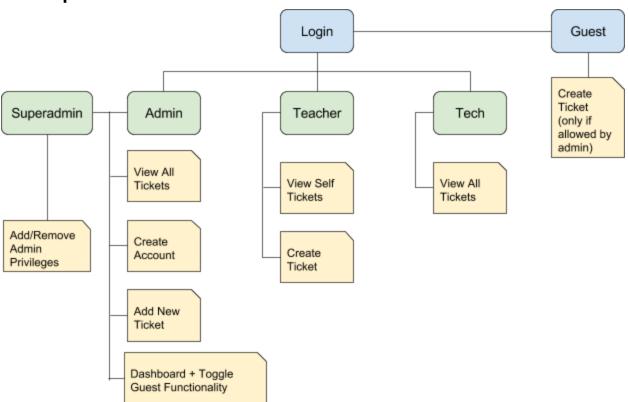
 Form validation, stylish responsiveness (AJAX to load content instead of refreshing the page)

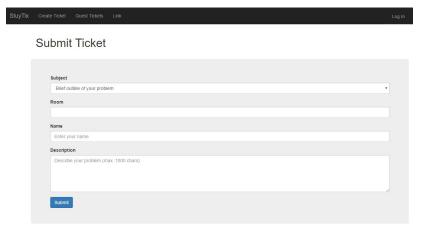
#### HTML

- Guest Page to make a ticket if enabled
- Login Page
- Superadmin:
  - All of the pages that admins can view
  - Grant/revoke admin privileges
- Admin:
  - Dashboard w/ options + Turn on/off guest functionality -(index)

- Add new account
- View all tickets (pending, in progress, past)
  - Individual tickets: respond
- Make tickets
- <u>Teacher</u>:
  - View self tickets (index)
  - Create ticket
- Tech:
  - View all tickets (index)
    - Individual tickets: respond

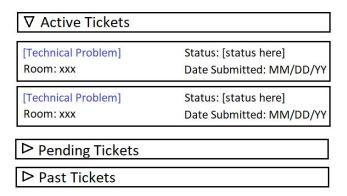
## Site Map:





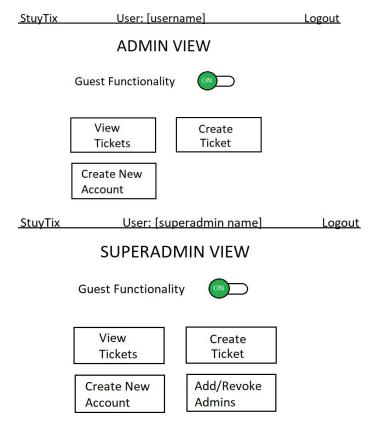
StuyTix User: [username] Logout

**Create Ticket** 



StuyTix User: [username] Logout

∇ Active Tickets	
[Technical Problem] Room: xxx Teacher Name	Urgency: [urgency] Status: [status here] Date Submitted: MM/DD/YY
[Technical Problem] Room: xxx Teacher Name	Urgency: [urgency] Status: [status here] Date Submitted: MM/DD/YY
▶ Pending Tickets	
▶ Past Tickets	



## **Priority:**

# Top Priority:

- Basic ticketing support
- Secure accounts, shouldn't allow to inconvenience techs
- Workable, easy to understand UI -- fanciness should be a goal but not before the program is functional

# Med. Priority:

- SMS/email notification
- Timeframe indicator
- Urgency
- Slick stuff

# Replies (is it necessary?):

INT Primary key	TEXT reply
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