



Time Tracker

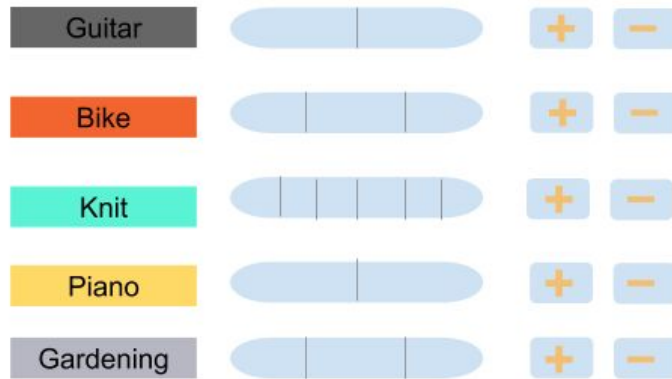
Architectural Review 2
Anna Griffin | Luis Zuniga



Background

- We are creating a **web app** that can be used to **keep track of the time spent on activities** throughout the week
- This app will be a **relaxed and flexible** way for individuals to **plan and log in** hours of activities that they would like to do
- We hope to address the pressure of always doing work by **visually representing** how many hours a user would like to spend doing an activity

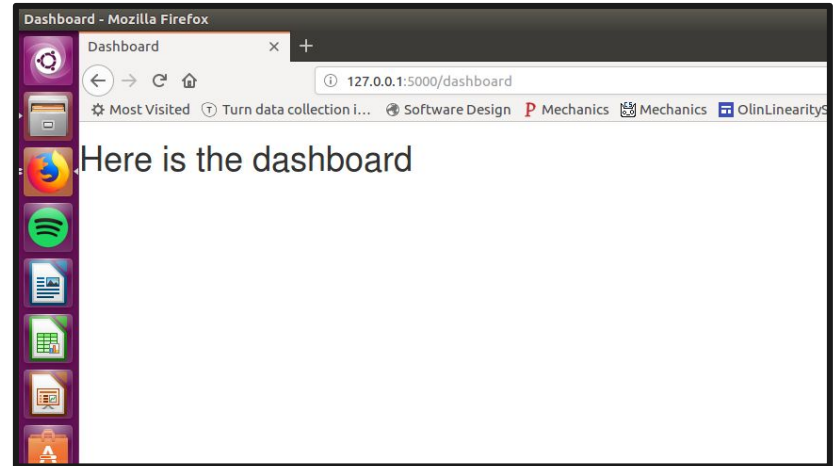
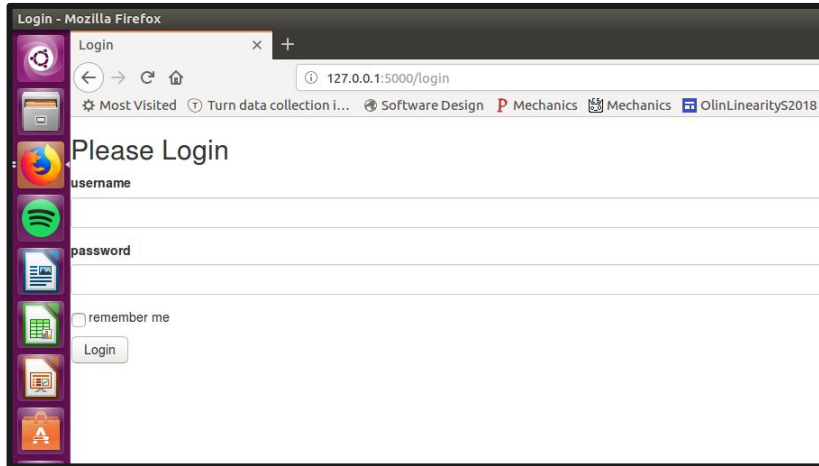
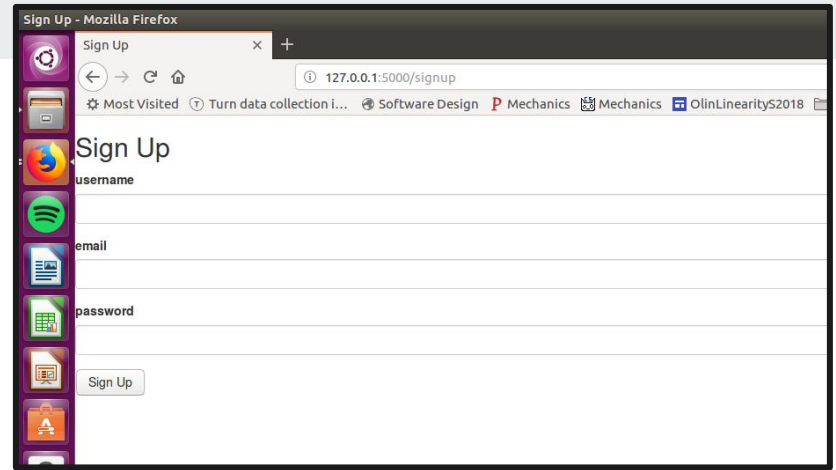
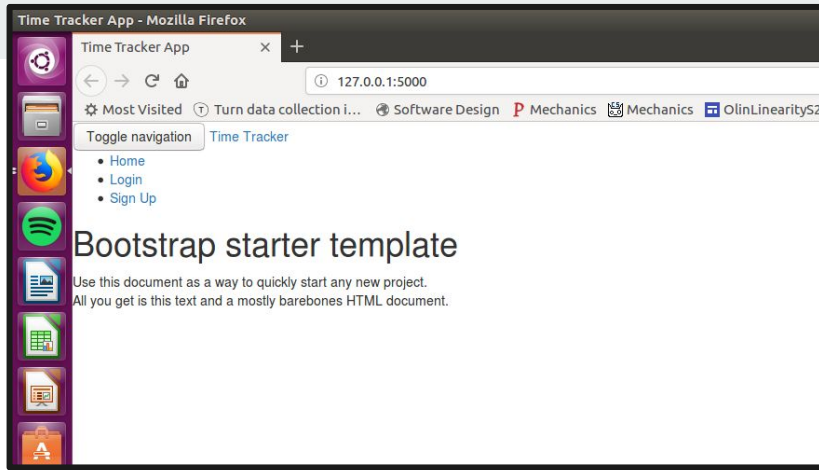
Last Time





What We Have Worked On

- Login System
 - Fask Login
- Database to hold users
- WTForms
 - flask_wtf
- Flask sqlalchemy and sqlite3
- Werkzeug
 - hashed passwords



login.db

```
anna@anna-Latitude-5480: ~/FinalProject
anna@anna-Latitude-5480:~$ cd FinalProject/
anna@anna-Latitude-5480:~/FinalProject$ sqlite3 database.sb
SQLite version 3.20.1 2017-08-24 16:21:36
Enter ".help" for usage hints.
sqlite> .open database.db
sqlite> select * from user
...> ;
1|Luis|luis@luis.com|sha256$fwGwvTX4$9fe3a1ea5dd8d37f96d7c68666b34aa320683e138a9
2f9874bed05cc0b43c641
2|anna|anna@anna.com|sha256$PkxNP87F$a4639b1dd89e42c3fbb6757c25aadf1f6651f3bbcfdbb219e7cb8eed14d7a1af
sqlite> 
```

activities.db

```
luis@luis-VirtualBox: ~/SoftDesFinal
luis@luis-VirtualBox:~$ cd SoftDesFinal/
luis@luis-VirtualBox:~/SoftDesFinal$ sqlite3 activities.db
SQLite version 3.20.1 2017-08-24 16:21:36
Enter ".help" for usage hints.
sqlite> select * from Users;
Test_Dummy|username|password
sqlite> select * from Activities;
Gardening|10|0|1
Sleeping|24|20|1
sqlite> 
```



Database Challenge

USER ID	USERNAME	PASSWORD
1	testusername	*****
2	luisfz	*****
3	annagriffin	*****

USER ID	ACTIVITY ID	ACTIVITY	TIME	PROGRESS TIME
1	1	Gardening	3	0
1	2	Reading	4	0
1	2	Running	2	0
2	1	Practicing Piano	4	0
2	2	Reading the News	5	0
3	1	Knitting	1	0
3	1	Taking Photos	2	0



What we need to still do

Goals

- Integrate and revamp the matrix so that it holds two tables
- Make it pretty
 - Bootstrap
- Logout feature
- Layout
- User interaction

Stretch:

- App development
 - heroku

Our Questions



Storing Activities, Time, and Progress

- Make this “bundle” `[[user], [activity, time, progress]]` a user defined class object
- Multiple tables linked in database by user ids
- Create table for each user
- How do we create a dynamic table
- Can only put in one user
- Integrating sign in system with activities database

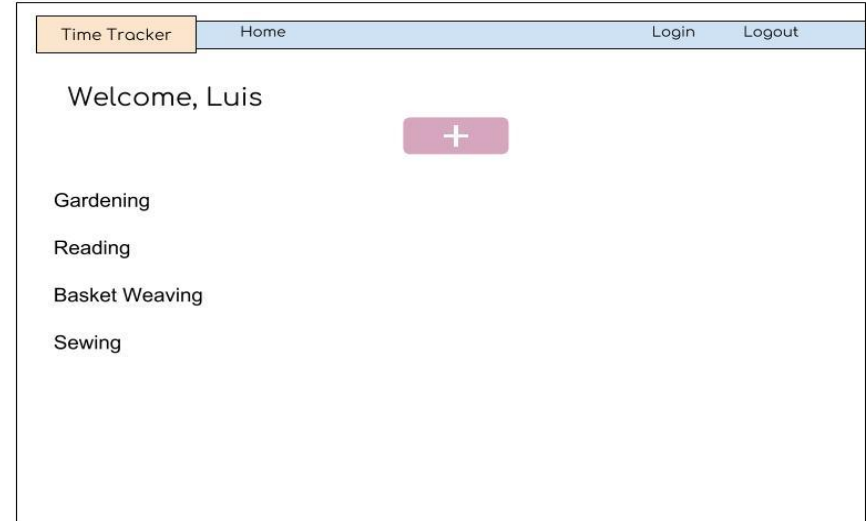
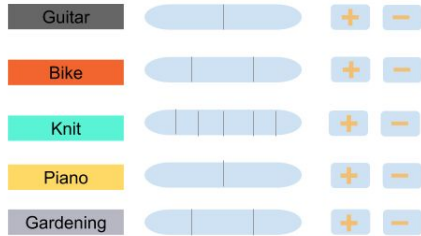


Security

- Werkzeug
 - generate_password_hash
 - check_password_hash
- Are there more precautions we should take?
- What is reasonable for the scope of our project?
- Any experience in security, advice or cautions?



Layout of user interface





Layout of user interface

- What would convenient features be?
- How many different pages would be ideal?
 - Currently, we have a page for signing in, signing up, and logging in
- Navigation throughout site
- How much information would you find useful?

Thank you!