

Findtheroommate

Bella Yue

Jiqi Wang

Yufei Jin

Tengyue Hu

Rain Wang

Why should you care?

INTERN

Why should you care?



Solution!



Findtheroommate



A web app for UCSB students to find the next great roommate.

Features



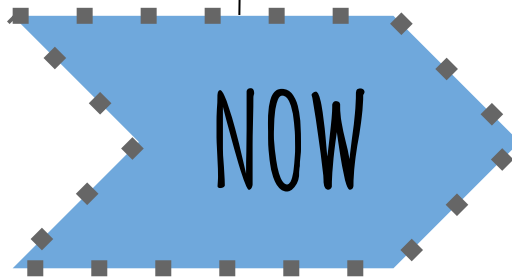
Live demo time!

<http://phil492.pythonanywhere.com/>

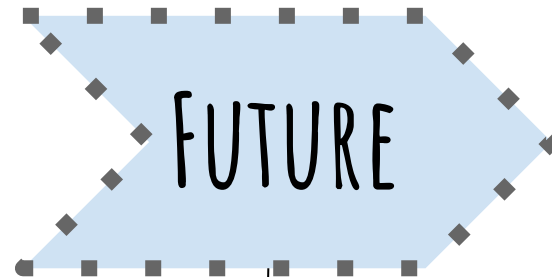
Product Evolution



- Login
- Make post
- Home page
- Profiles



- Email
- Search
- Edit/del
- Comment



- Recommendation
- Profile pic

Architecture

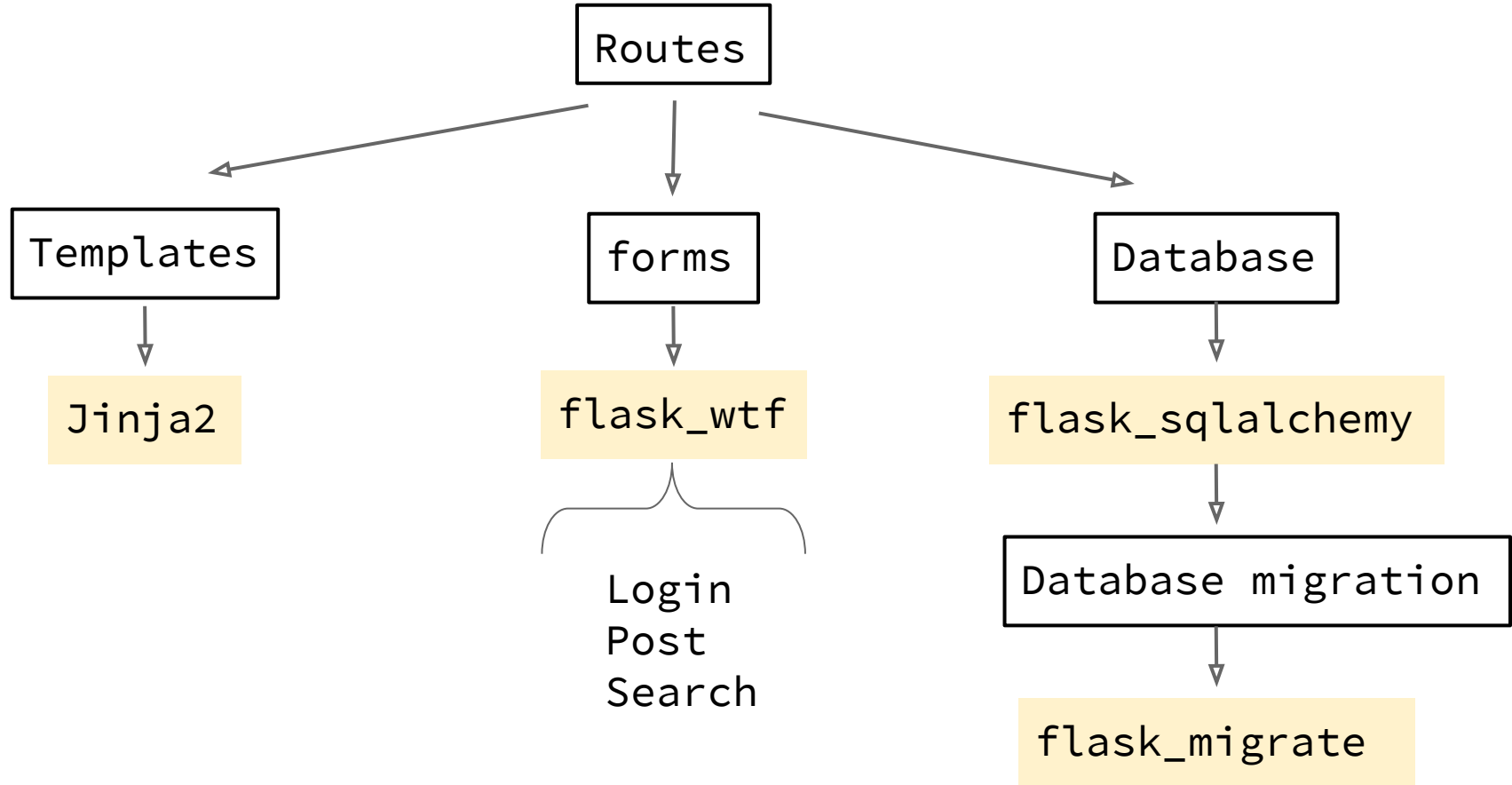


Flask



pythonanywhere

Architecture



DATABASE STRUCTURE:

User: name, email, password, ...



Owns

Post: text body, timestamp, ...



Owns

Comment: text body, author, ...

Challenges

- Try to combine firebase with flask
 - New Implementation (SQLAlchemy)
- New concepts (Email validation)
- Security Issues
 - Google, StackOverflow



What we have learned

- Solid foundation for web app
- Self-learning
- The power of team cooperation
- A great team!



Features Recap

A web app for UCSB students to find the next great roommate.

- Email Support
- Post and comment
- User profile
- Visit other users through posts
- Search



TO DO LIST:

- Email Confirmation for post's email
- More communication methods
- Follow
- Quick login
- More personalized profile
- Advanced Search
- Emoji
- User Recommendation
- ...

WHY SQLALCHEMY:

Fulfill our requirements:

1, Textbox, time (for sorting)

2, Relation (1 to n): for User-Post, Post-Comment Relation

Easy to Implement:

Init ----- Migrate ----- Update ----- Done!

Existing tutorials

SECURITY FEATURE:

1, Invalid email, real email, same flag message:

Check your email for the instructions to reset your password

2, The link is hashed and only valid in a given time:

After 1 hour:

SECURITY FEATURE CONT.

- Can't edit profile, posts, comments of other user (even by changing link)

(You will be redirected to home page!)

- You can't post without confirming email

(But you can view posts and profile)