StoryTime
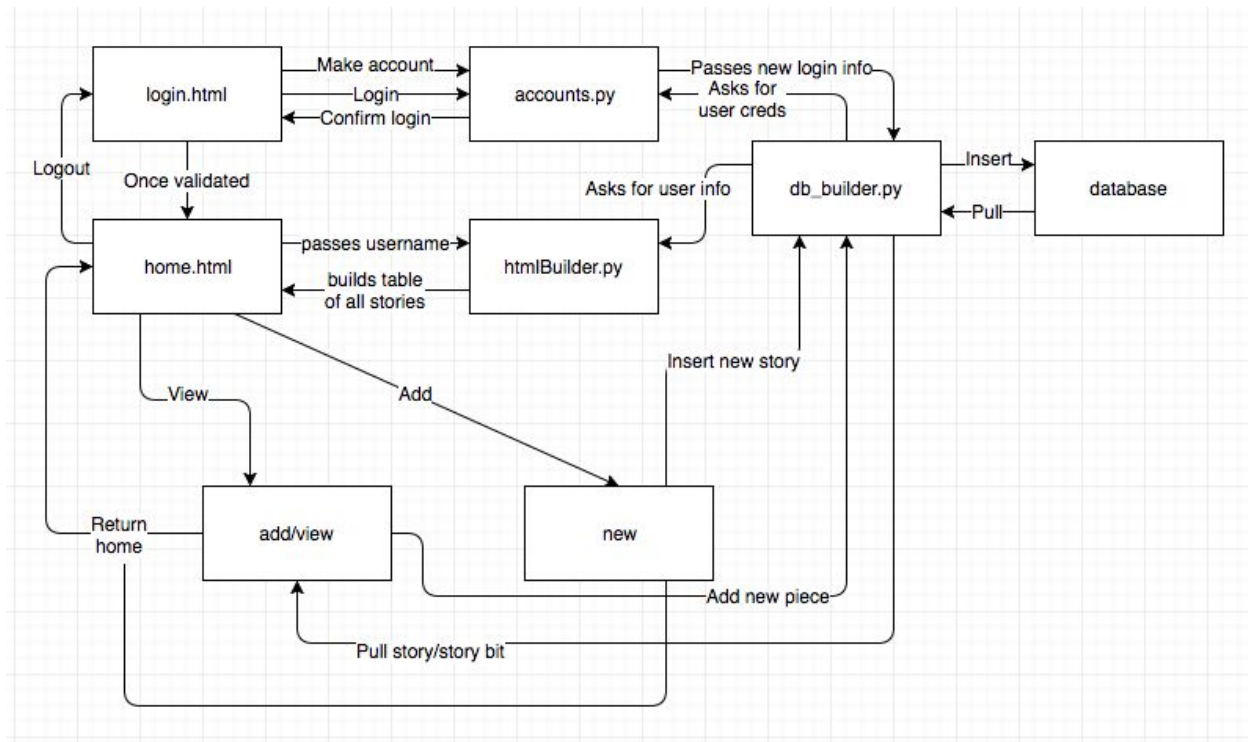
Eric Li, Augie Murphy, Angel Ng, Manahal Tabassum
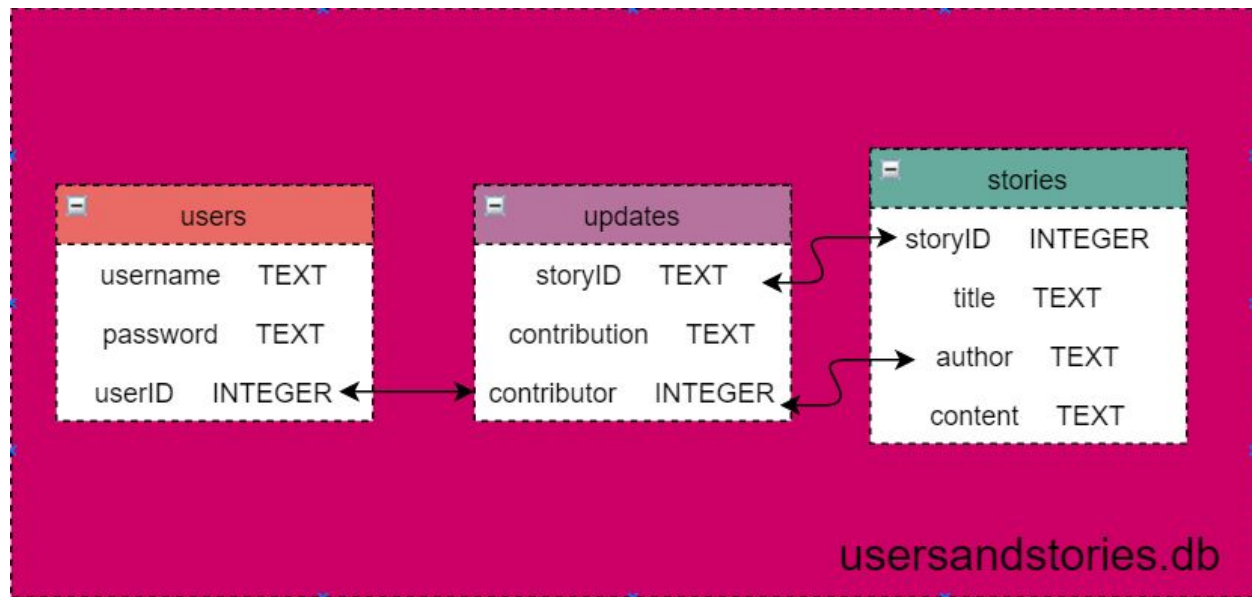
Program Components
- Users Database
  - Consisting of username, password, userID
- Stories Database
  - Story ID, Title, Author, Content
  - Story ID, Most Recent Update, User ID of Contributor
- Templates
  - Login Page / Register
  - Dashboard / Home
    - Show existing stories in reverse order they were added to database (most recently added to first)
      - Have option to view / add to story
    - Option to Logout
    - Option to create new story
  - New Story
    - Will be a form with title and content entries
  - View / Add template
    - If you haven't added, you will see most recent addition and will see text box to add
    - If you have added, you will see the full story
- Run.py
  - Flask app
  - Includes all routes
    - @login
    - @home
    - @story
      - Where you view/add story
- Utils
  - __init__.py
  - accounts.py
    - Authenticating login
  - db_builder.py
    - Creates and manages databases
    - Will have access to both databases
  - htmlBuilder.py
    - Builds the html for the homepage
- Data
  - Hold the database
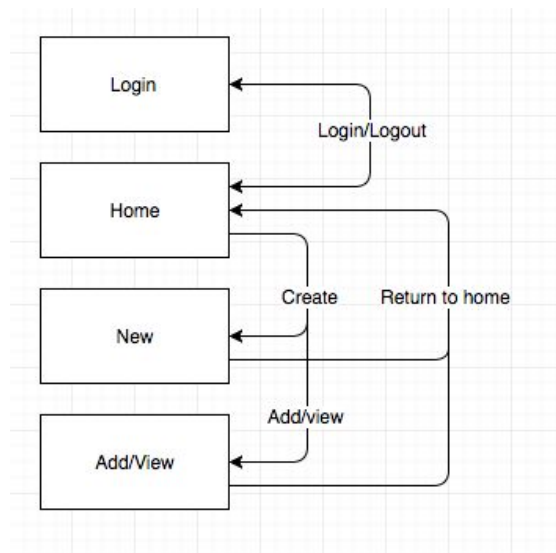
Relationship Between Components

	Make account	

login.html → **Make account** → accounts.py

login.html → **Login** → accounts.py

login.html ← **Confirm login** ← accounts.py

accounts.py **Passes new login info** → db_builder.py

accounts.py ← **Asks for user creds** ← db_builder.py

Logout

login.html **Once validated** → home.html

home.html → **passes username** → htmlBuilder.py

home.html ← **builds table of all stories** ← htmlBuilder.py

htmlBuilder.py **Asks for user info** → db_builder.py

db_builder.py **Insert** → database

db_builder.py ← **Pull** ← database

home.html → **View** → add/view

home.html → **Add** → new

Return home

add/view

new

Insert new story → db_builder.py

Add new piece

Pull story/story bit → add/view

Database Schema

Front End Site Map

- Login/register
- Home
- New
- Add/view

Task Breakdown

- Database.py **Manahal**
  - Creation / Update methods of both users.db and stories.db
- Templates **Eric**
  - Login.html
    - Ability to make new user / login
  - Home.html
    - Shows all stories
    - Logout option
    - A button next to each story saying "Add/View"
  - Story.html
    - Based on user status (whether user has contributed or not) either:
      - Show entire story
      - Give ability to add to story and show most recent contribution
- Python Files
  - App.py **Group Effort**
    - @login
      - Utilizes methods from Registration.Login.py
    - @home
      - Uses templates to show all stories
    - @story
      - Uses storyoptions.py
  - Utils.py
    - Registration/Login.py **Angel**
      - Handles account signup
      - Signin
      - Authorization of account
    - Storyoptions.py **Augie**
      - Facilitates adding to story
      - Uses template to show full story
      - Looking up if user has added to it
- Flask
- HTML