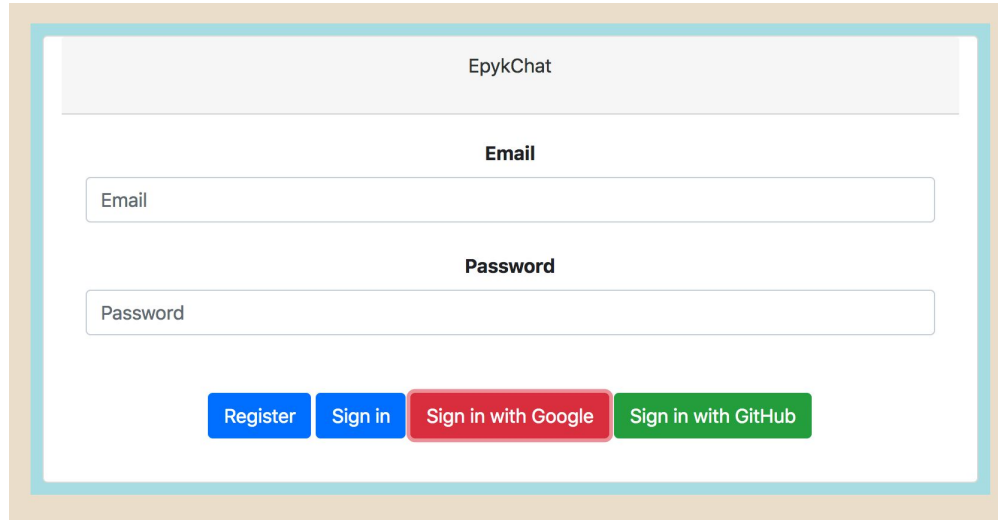




EpykChat

Danny Nguyen, Taylore Prinsen,
Becky McConnell, Jie Wang,
Kyle Rosenberg, Gaojian Song

<http://epyk-chat.herokuapp.com>

A screenshot of the EpykChat login and registration interface. The form is enclosed in a light blue border and a tan background. At the top, the text "EpykChat" is centered in a light gray header. Below this, the label "Email" is centered above a white input field with a light gray border. Further down, the label "Password" is centered above another white input field with a light gray border. At the bottom of the form, there are four buttons: "Register" (blue), "Sign in" (blue), "Sign in with Google" (red), and "Sign in with GitHub" (green).

EpykChat

Email





Password

Register Sign in Sign in with Google Sign in with GitHub





Get connected to people with similar interests!

EpykChat is a great way for you to connect with people who have similar interests and hobbies. In a disconnected world, it can often be hard to meet others with common interests, so let us do the hard part for you!

Tools

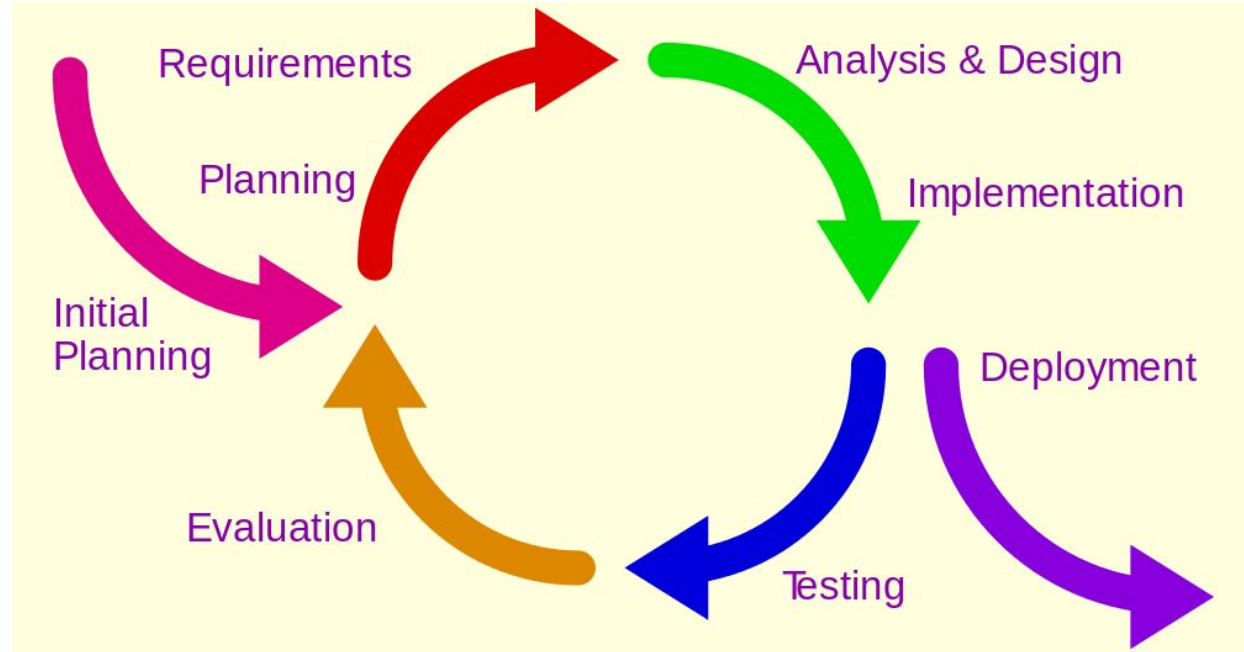
| | | | |
|--------|-------|---|------------------|
| Trello | ★☆☆☆☆ |  | Project Planning |
| GitHub | ★★★★★ |  | Version Control |
| MySQL | ★★★★★ |  | Database |
| Heroku | ★★★★☆ |  | Deployment |

Tools

| | | | |
|-----------------|-------|--|----------------|
| Slack | ★★★★★ |  slack | Communication |
| Google Drive | ★★★★☆ |  Google Drive | Milestones |
| PyUnit | ★★★☆☆ |  PyUnit | Testing |
| Google Firebase | ★★★★★ |  Firebase | Authentication |

Methodology

Iterative Design



Challenges

Communication

Contribution

Unfamiliar tools

Scope

Matching

- Store interests as vector
- Calculate similarity using angles

$$\cos \theta = \frac{\langle \mathbf{x}, \mathbf{y} \rangle}{\|\mathbf{x}\| \|\mathbf{y}\|} = \frac{\mathbf{x}^H \mathbf{y}}{\|\mathbf{x}\| \|\mathbf{y}\|}$$

Project Demo

<http://epyk-chat.herokuapp.com>

Feel free to join us!