### Team QUAF+

Simon Tsui, Mohammed Uddin, Theodore Peters, Bo Lu

The Improved QUAF!

### **Proposal Summary:**

A better AND improved version of the current QUAF that currently resides in Google groups, but will hopefully transition to our much better QUAF+. The redesigned QUAF is tailored towards computer science classes. As such, QUAF will include features such as an improved user interface, reply trees(if doable), and executable code in the discussions.

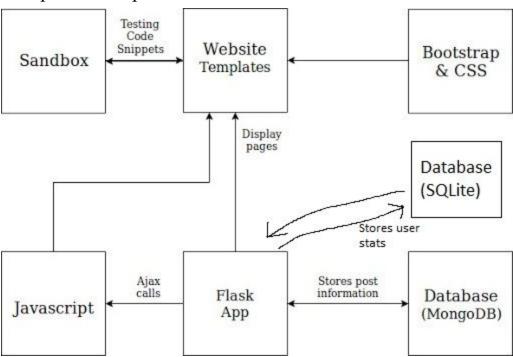
#### Framework:

For the project, we will be using Bootstrap to stylize the website, because all of the group members are more familiar with it having used it on other projects.

# Javascript:

The project will be incorporating AJAX calls.

# Component Map:



SOFTDEV | WASKERED? | \* P | \*

# **Database Schema:**

```
Database
                Schema .
 _id : POST_ID
title: TITLE_ OF_ POST,
description: POST_DESCRIPTION,
by: POST - by,
url: URL_OF_ POST,
tags : [TAG1, TAG2],
upvotes: TOTAL_ UPVOTES,
comments: [
       USET: "COMMENT_BY"
       mag: TEXT,
       date: DATE_TIME
       upvotes : UPVOTES
       reply: [ {
                user: 'REPLY-BY',
                msg: TEXT, date: DATE-TIME,
               upvotes: UPVOTES
                   (Repeats)
```

#### Users

First Name	Last Name	# Posts	# Deleted	# Best answers	Other relevant stats
String	String	Int	Int	Int	Int

# Roles:

Mohammed (PM): important project manager stuff

Theodore: sandboxing code snippet execution

Simon: front end Bo: database work

# <u>Timeline:</u>

1. Get basic flask app running

- 2. Add basic features: posting, viewing, different accounts w/ different authority
- 3. Make the website better looking than the current Google Groups
- 4. Add any special features that are reasonable(based off of response in our QAF post)
- 5. Full keyboard support (don't need to use a mouse to navigate the site)