TEAM 10

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What we've learned:

- Cookies aren't as challenging as we thought
- Prepared statements are important in order to prevent from SQL injection style attacks (not that we've had any of those on our awesome, heavily used website)
- Testing database queries is a challenge and often rather monotonous but important
- A good design and lots of planning is crucial to a well functioning website
    - The mockups and database diagrams we drew up for the first requirement helped flush a lot of bad designs out of our website
- Crowdsourcing is a powerful tool, but you have to motivate individuals to participate
- Keeping a site secure is a lot of work and requires a significant amount of knowledge and effort over a continuous period of time

Most Challenging Aspects:

- Our algorithm to display posts to the user was rather complex and challenging. It differentiates between users and guests, checks if the user has enough "currency" to view another post, makes sure that the user sees a quality and new post every so often, and doesn't return a post a user has already seen. Guests simply receive a random post.
- Many of our database queries were challenging in order to return just the relevant information. This involved many "join" type statements.
- Making a website that scales to the size of any screen was a challenge.
- A cool aspect of our website is that it never reloads the page or redirects to a new page. All content is dynamically generated through the use of asynchronous AJAX requests to our server and multiple JavaScript files.

What we would do differently:

- We separated our work into two major categories: server-side development and client-side development. While this worked somewhat effectively at the beginning, towards the end it was crucial that all members were there to combine parts of the code. We should have flipped roles and responsibilities more often to help everyone keep up-to-date with the whole code base.
- Write prepared statements from the start, so Ryan wouldn't have to spend an hour changing all the database queries to prepared statements.

Evaluations:

The three members of our group would all like to equally divide the points for the project. We would each like to receive 50 points.