CSE 305 Final Project General Description

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Name of the App: Angrybook

Domain: www.angrybook.net

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General Idea of the App: A general social network website that let users post to the timeline and then their friends can view it. A user can view each other's posts.

Key features of the App:
1. Create an account
2. Find and add friends
3. Delete user's friend
4. Post to timeline
5. View friend's posts
6. Individual page for users
7. View user's friend list
8. Comment on posts
9. Dislike(opposite to Facebook's 'like' feature) on post
10. Notifications for dislikes and comments on user's posts
11. Search user by first name

Technologies and Tools:
1. PHP
2. Bootstrap front-end framework (v3.3.2 modified)
3. MySQL

Goals Met:
1. Decomposition of tables to reduce redundancy to the maximum. 5 more tables are added.
2. Fairly complex design of database.
3. All of the features above implemented.

Possible Improvements:
1. Better database schema for faster query. Our main focus when normalizing our tables was to remove all possible data redundancy, so we did not consider about query performance at all. This could be improved.

2. If multiple users update, insert or delete a data (post, dislike, comment, add friend and remove friend), a significant error on database will occur. Implementing transaction system will fix this problem.
3. It would be better if the user could add friend directly at target user's personal page.
4. For now, search user feature only works with exactly matching first name as its input. It could be better with also including last name. The feature should also suggest a closest named user when there is a spelling mistake or the searched user is not found.
5. It will be better if the posts in timeline are ordered by the 'rank,' which is a popularity decided by the number of dislikes on the post. The database is already designed to help implemented this but we ran out of time.