1. Project Vision

1.1 Backgrounds: We are all IT/CS Students pursuing a Bachelor’s degree from Oakland University.

1.2

* Socio-economic impact: our project will have no socio-economic impact because it will never have a public release and offers no functionality not already offered by contemporary social media platforms.
* Business objectives: Our business’ objective is to pass Senior Capstone Project.
* Gap Analysis: Our application lends itself well to achieving our organization’s only objective.

1.3 Security and Ethical Concerns: Memcomb vows to not sell any user information submitted by its users, it has a strict Code of Conduct which bars its employees from using user information for inappropriate purposes.

1.4 Glossary of Key Terms

2. Project Execution and Planning

2.1 Team Information: All members of the group added themselves into a Discord server created by Nathan. A Google Drive was created by Scott for the group to collaborate on the presentations.

2.2 Tools and Technology: Memcomb makes use of Ionic, Angular, Node.js, and Firebase. Git is used in tandem with GitHub for version control. All members of the group are developing with the Windows operating system.

2.3 Project Plan

2.4 Best Standards and Practices: Group members are encouraged to develop with Google’s Style Guide <http://google.github.io/styleguide/> to make code written by other people more easily understood.

3. System Requirement Analysis

3.1 Functional Requirements:

Our system shall

* Perform user registration
* Allow email verification
* Allow users to create posts
* Allow users to upload pictures and videos to their posts
* Allow users to become friends with other users
* Allow users to link related posts from other uses with posts of their own

3.2 Non-functional Requirements:

Our system should

* Securely store all user information
* Load pages within 2 seconds
* Upload files up to 400MB in size

3.3 On