

Final Project

Goal

The goal is to develop a Facebook Clone Web Application from scratch, individually

Assumption

- Trying to start a new business at BizReach.
- Want to verify the hypothesis of the service.
- If successful, expand development team (up to 5) in half a year.
- Want to develop an MVP by November 29th to present your plan to your boss

Acquisition

- Hard skills
 - Experience with HTML/CSS/JavaScript.
 - Experience with Java, RDBMS, Infra (Docker)
 - Experience with system architecture and application architecture
 - Implement common security and quality practices
 - Develop, plan and execute the process process
- Soft skills
 - Investigate and solve what you don't understand
 - Ability to search and acquire primary information

Requirements

- Stack
 - Java (SpringBoot, Play)
 - MySQL
 - Docker
 - HTML/CSS/JavaScript
- Functionality
 - Login/Logout (must) without managed services (OAuth, cognito, etc.)
 - Post
 - Search
 - Logging
 - Monitoring
- Infrastructure
 - AWS
 - Budget is ¥5,000(JPY) per month (AWS Free Tier included)
- Document
 - For future teammates
 - If they read this document, they can understand application architecture.
 - Example items to be included
 - Entity-Relationship Diagram
 - Network Diagram
 - System Configuration
 - Service Description
 - etc...
 - Write as md files in the GitHub Repository
- Test
 - Recommended: Automatic test
 - Minimum: Unit test
 - Tests are important!

Assessment

- Result
 - Implementation of all requirements
 - Pass application assertion
 - Security
 - Quality Assurance
- Process
 - Architecture
 - Development process

Additional appeal points

Implementations of additional functionality are welcome

- Friends
- Like
- Comment
- Chat
- Friend recommendation
- Upload photos
- Tagging or grouping friends