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# Preliminary Study

## Introduction

## Project Idea

## Problem Statement

# Development Process

## Service Related

### Type of Service

#### Choice

#### Pros

#### Cons

#### Other possible choices

### Service’s Architecture

#### Choice

#### Pros

#### Cons

#### Domain Model

#### Architecture Diagram

### Database Architecture

#### Choice

#### Pros

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#### Other Choices

## Client Related

### 2.2.1. Dedicated Client

#### a. Choice of framework

#### b. Pros

#### c. Cons

#### d. Other choices

### 2.2.2. Web Client

#### a. Choice of framework

#### b. Pros

#### c. Cons

#### d. Other choices

## 2.3. Middleware

### 2.3.1. Client-Service

#### a. Choice

#### b. Pros

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#### d. Other choices

### 2.3.2. Service-Database

#### a. Choice

#### b. Pros

#### c. Cons

#### d. Other choices

## 2.4. Security

## 2.5. Concurrency

## 2.6. Performance

## 2.7. Interesting bits of code

### a. Keeping connection from timing out

### b. Callback methods in chat

# 3. Epilogue

## 3.1. Conclusion

## 3.2. References