# <Kevin Alexander>

**Software Design Template**

Version 1.0

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**Document Revision History**

| Version | Date | Author | Comments |
|---------|------|--------|----------|
| 1.0 | 03/15/2024 | <Kevin Alexander> | <Made changes to make better productive.> |

Instructions: Fill in all bracketed information on page one (the cover page), in the Document Revision History table, in the footer, and below each header. Under each header, remove the bracketed prompt and write your own paragraph response covering the indicated information.

<Name-of-Client><Month-DD, YYYY>

**Executive Summary**

The client,Chat Away. is a successful social media company looking to expand its reach by developing a mobile app for iPhone and Android smartphones. To achieve this goal.they are seeking to outsource the project to a consultant firm to ensure the app's successful development and launch within their budget constraints. By creating a mobile app, Chat Away aims to tap into a larger customer base, increase user engagement, and ultimately boost revenue for their business.

The client,Park Station Manufacturing,aims to create training and educational video clips for their products. They prefer to use high-quality video editing software available only for Mac due to its superior desktop publishing capabilities. However,the company currently operates exclusively on Windows,posing a challenge in integrating the desired Mac software for their video production needs.

**Requirements**

**Chat Away-Business Requirements:Develop a mobile app for a Social Media company to expand its customer base and increase revenue. The app should be available on both iPhone and Android smartphones.The project should be outsourced to stay within budget. Technical Requirements: Develop a mobile app that is compatible with iOS and Android operating systems. Ensure the app is user-friendly,engaging,and aligns with the branding of the Social Media company. Implement necessary security measures to protect user data and privacy. Optimize the app for performance and speed on both iPhone and Android devices.**

**Park Station Manufacturing-Business Requirements:Produce high-quality video clips for training and educational purposes. Utilize video editing software available only for Mac due to better desktop publishing capabilities. By adopting virtualization or dual-booting,Park Station Manufacturing can achieve their goal of producing high-quality video clips for training and educational purposes using the desired Mac-only software,all while staying within their budget and without the need for a complete system overhaul.**

**Design Constraints**

*1.Cross-Platform Compatibility: The app must be designed to work seamlessly on both iOS and Android devices to meet the client's requirements of reaching a larger customer base. This constraint involves using development with tools and frameworks that support cross-platform development to ensure consistent user experience across different devices.*
*2.Scalability:The app should be designed with scalability in mind to accommodate a growing user base and increasing traffic.*
*3.Security: Given the nature of a social media app,data security and user privacy are paramount. The design must incorporate strong encryption methods,secure authentication mechanisms,and regular security updates to protect user information and maintain trust. This constraint is crucial for meeting both business and technical requirements,ensuring compliance with data protection regulations and safeguarding user data from potential threats.*

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**Rationale**

*These design constraints are essential for addressing the client's requirements effectively,as they directly impact the app's functionality,performance,and user experience.By considering these constraints during the design and development process,we can create a robust and user-friendly mobile app that aligns with Chat Away's business goals and technical specifications.*

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