

# Chat Away

**Software Design Template**

Version 1.0

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### ***Software Design Template* 1**

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### **Document Revision History**

Version	Date	Author	Comments
1.0	11/06/2024	Haley Candia Perez	In this revision, we focused on three main design constraints for Chat Away: cross-platform development, user interface consistency, and cost-effective solutions. We recommended using frameworks to create a consistent app experience across iOS and Android while keeping within budget. These changes ensure that Chat Away can expand its audience, maintain usability, and achieve business goals efficiently.

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.

## Executive Summary

*Chat Away, a social media company with an established website, aims to expand its user base and increase revenue by creating a mobile app available on both iPhone and Android platforms. The app must be available in both app stores to reach a broader audience, and budget considerations are important for the client.*

## Requirements

### *Business Requirements:*

- *Platform Availability: Chat Away wants to expand its user base and increase revenue by creating a mobile app available on both iPhone and Android platforms.*
- *Budget Constraints: The client aims to keep development costs within budget by outsourcing the project.*

### *Technical Requirements:*

- *Cross-Platform Functionality: The app must be compatible with both iOS and Android devices to reach a broad customer base.*
- *User Experience Consistency: The app's interface and functionality should provide a consistent user experience across both platforms.*

## Design Constraints

### *Cross-Platform Development*

- *The app must be developed to function seamlessly on both iOS and Android devices. A cross-platform development framework is recommended to optimize resources and maintain budget efficiency.*

### *User Interface Consistency*

- *The app's user interface must maintain consistency across both platforms to ensure a similar user experience for all customers, regardless of device. This may impact the choice of frameworks, as some tools offer better consistency between platforms than others.*

### *Cost-Effective Development*

- *All development decisions should align with the client's budget requirements. To achieve this, the project may leverage outsourcing, budget-friendly development tools, and cost-effective frameworks.*
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## Rationale

*Developing a cross-platform app allows Chat Away to reach a larger audience efficiently, without duplicating development efforts for separate iOS and Android codebases. Using frameworks like Flutter or React Native supports this goal by providing tools that enable simultaneous deployment across platforms, helping to stay within budget while meeting both technical and business requirements. Additionally, ensuring a consistent user interface across iOS and Android is essential for customer*

*satisfaction. By maintaining similar experiences across devices, users can switch platforms without needing to adjust to different interfaces, enhancing usability and aligning with the client's technical needs. Finally, a focus on cost-effective development allows Chat Away to meet its business goals without exceeding its budget. By using budget-friendly tools and outsourcing, the project can select resources that satisfy both technical and business requirements, ensuring that the project is completed within financial constraints.*