CHAT AWAY

# Software Design Template

Version 1.0

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## Document Revision History

| Version | Date | Author | Comments |
| --- | --- | --- | --- |
| 1.0 | 11/03/2023 | Victor Udeh | Initial software design document creation |

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 thriving social media enterprise, is poised to extend its digital footprint by developing a mobile application for both iPhone and Android platforms to tap into a broader market segment and elevate revenue streams. Recognizing budgetary considerations, the client has partnered with our consultancy to undertake the project, leveraging our technical expertise and cost-efficient development strategies.*

## Requirements

The business requirements for Chat Away are to expand market reach and increase revenue through the development of a cross-platform mobile application. Technically, the app needs to function seamlessly on both iOS and Android systems, delivering a user experience consistent with the current website, while staying within the specified budgetary constraints.

## Design Constraints

1. **Platform Compatibility**: The application must be operable on both iOS and Android platforms without compromising on performance or user experience.
2. **Budget Limitation**: Development must adhere to the pre-defined budget, necessitating cost-effective solutions without sacrificing quality.
3. **Consistency in User Experience**: The mobile app must reflect the functionality and ease of use of the existing Chat Away website.

## Rationale

1. ***Platform Compatibility****: The need to support both iOS and Android platforms is a technical constraint that requires the use of cross-platform development tools and frameworks. This decision will influence the choice of technologies, potentially leading to increased complexity and the need for specialized skill sets.*
2. ***Budget Limitation****: A financial constraint, which will guide the selection of development methodologies, technologies, and feature prioritization to ensure the most efficient use of resources.*
3. ***Consistency in User Experience****: This is both a technical and business constraint, as it requires a careful design that mirrors the web experience in a mobile context, impacting the user interface and user experience design decisions.*