Chat Away

# Software Design Template

Version 1.0

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## Document Revision History

| Version | Date | Author | Comments |
| --- | --- | --- | --- |
| 1.0 | 03/10/2025 | Chris Williford | This company wants an initial design of mobile applications that are compatible for iPhone and Android operating systems. |

## Executive Summary

Chat Away is a social media company that has a successful website and is now seeking to develop a mobile app. To market their product to a larger customer base and increase revenue, they are looking to create a mobile app that is used for iPhone and Android smartphones that will be made available to both users in the app stores.

## Requirements

* Producing a mobile app that is available on iPhone and Android smartphones to be available in the app stores.
* The client has reached out to the consultant firm and aims to outsource the project in hopes of staying within their budget.

## Design Constraints

* The app needs to be available on both iPhone and Android smartphone devices. This will require a platform that is compatible for both, needs to consider the type of software to be used, and the programming language(s).
* May require separate teams from Apple for the iPhone and Android development.
* Maintain similarity with the client’s existing website to ensure the app is similar with the website.
* The project must be within the client’s budget. We should use resources that are cost effective to ensure that it will be kept within the budget.

## Rationale

Since the app needs to be available on both Apple and Android devices, this may require the use of two teams developing separate mobile apps that will run on both operating systems. However, since the client wants this project to be completed within their budget, having two teams may increase the costs exceeding their budget. The best solution would be to build an app using a software tool that allows the app to be available on multiple platforms. One other thing that needs to be taken into consideration is the cost of any maintenance or updates that will be required once the project is complete, and the design of the mobile apps needs to be consistent with the client’s website. This will allow for an easy transition from the website to the mobile app.