Chat Away

# Software Design Template

Version 1.0

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## Document Revision History

| Version | Date | Author | Comments |
| --- | --- | --- | --- |
| 1.0 | 03/11/2025 | Brooke Slampak | Design requirements, constraints, and rationale. |

## 

## Executive Summary

*The social media company Chat Away is seeking to expand by developing a mobile app for both iPhone and Android devices. The client desires a cost-efficient solution that will increase their customer base and revenue by making the app available in both major app stores.*

## Requirements

***Business Requirements:***

* *Develop a mobile app to expand the userbase.*
* *Ensure the app is available on both iPhone and Android platforms.*
* *Increase revenue by increasing the userbase.*
* *Stay within client’s defined budget.*

***Technical Requirements:***

* *Develop a cross-platform mobile application.*
* *Ensure compatibility with iOS and Android OS.*
* *Implement user-friendly UI design.*
* *Implement quintessential social media features (user profiles, messaging, notifications, etc.).*
* *Ensure secure data handling and user privacy protection.*
* *Optimize app performance.*
* *Provide ongoing maintenance and support.*

## Design Constraints

* *Cross-Platform Compatibility*
* *Budget*
* *Security & Performance*

## Rationale

* ***Cross-Platform Compatibility***
* *The client requires the app to be available on both iOS and Android to expand their customer base and increase revenue, requiring the use of cross-platform development; Cross-platform functionality will restrict programming language options and toolsets.*
* ***Budget***
* *The client emphasized the need to stay within their budget. To stay within the client’s budget, the development process must prioritize cost-effectiveness.*
* ***Security & Performance***
* *The development process must ensure secure data handling and user privacy protection systems while maintaining optimal performance. Poor performance could result in poor user reception, while sub-par security could risk breaches of user data and privacy.*