

Chat Away

Software Design Template

Version 1.0

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Document Revision History

Version	Date	Author	Comments
1.0	12/27/2021	Zachary Meisner	Outline of the software document pertaining to the problems and potential solutions of the design.

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 successful social media company, is looking to develop a mobile app. In order to market their product to a larger customer base and increase revenue, they are looking to make this app available on iPhone and Android devices. In addition, they are looking to outsource this project to us, in hopes of staying within their budget.

Requirements

Business Requirements

- *Budget*
- *Increase Revenue*
- *Markets to a larger customer base*
- *Available on both iPhone and Android stores.*

Technical Requirements

- *Full stack for cross platform deployment*
- *Proper Deployment environment to host and maintain the application.*

Design Constraints

1. *Cross Platform integration reduces the number of ways we can develop the application, such as what languages we are able to use.*
2. *Cross Platform applications do not perform as well as native applications, this constrains the amount we are able to implement into the application, due to performance and user experience capabilities.*
3. *We are only able to use a select number of frameworks for the full stack of this application.*

Rationale

1. *We must commit to using a handful of newer languages and frameworks that not as many people know, in addition to not knowing the long-term maintenance of the language, and whether it will continue to be prevalent and remain secure.*
2. *Cross platform applications do not run as smoothly as native applications do, in addition to not having phone specific features that integrate into the application.*
3. *We may have to hire developers specifically to maintain the separate codebases within the framework, which is hard to do with the new frameworks because not as many people know how to use them*