Chat Away

# Software Design Template

Version 1.0

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## Document Revision History

| Version | Date | Author | Comments |
| --- | --- | --- | --- |
| 1.0 | 01/16/2022 | Michael Ross | Added executive summary and design constraints and rationale sections. |

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 is looking to develop a mobile application to pair with their existing web application. They would like to capture additional customer base and increase revenue by offering this application in the Apple and Android app stores.*

## Requirements

*Business Requirements:*

* *Increase revenue.*
* *Capture additional customer base.*
* *Stay within stated budget.*

*Technical Requirements:*

* *Software needs to be compatible with Apple and Android devices.*
* *Software needs to be compatible with the existing website.*
* *Software must be published on both Apple and Android app stores.*

## Design Constraints

* *Software and labor utilized needs to be on or below stated budget.*
* *Software used to develop the solution will be compatible with Apple and Android devices.*
* *Solution will work with existing website.*

## Rationale

1. *Solution needs to be on or below stated budget.*
   1. *The customer stated specifically in their brief that the reason they are utilizing us instead of doing it themselves is because they want to stay on budget. Any solution which works but utilizes more than the customer has allocated does not satisfy this requirement and so must be seen as a constraint.*
2. *Solution will be compatible with Apple and Android devices.* 
   1. *Many frameworks exist that would support Android or Apple devices. Selecting one of these would result in only 50% of the platforms the customer is looking for or would require 200% of the work to custom build for Apple and Android devices separately. Choosing a development platform that supports both will allow us to stay on budget and meet the technical requirements.*
3. *Solution will work with existing website.*
   1. *Any potential solution developed which does not integrate with the existing data / structure / functionality of the existing website would cause disruption to the existing app experience and potentially lower customer satisfaction and lower customer base. To prevent this the solution needs to integrate seamlessly with the existing website.*