

Name of Technical

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## Authors

* Primary name
* Secondary name

## Functional Description & Overview

This should start with Overview from Functional document. Then add more about the technical but only enough to cover the basics.

## Glossary of Terms

Define jargon and terminology which may not be familiar to all parties. Or which is necessary for understanding the document or data relations.

## Agile Development

For this project we will be using Agile development methodology. Do one step then submit it so stake holders can review and we can discuss any new insights they may have had. Then onward to next step, deploy and review. Repeat. Of course any changes will require adjusting the timelines appropriately.

## Software Design Considerations

Here you should outline any obstacles, considerations or other contextual information that need to be address and/or kept in mind before starting the design process.

## Assumptions

List any assumptions being made which are critical to the design and implementation. Here is where you want to list common features which are normally requested but were not for this particular task.

## System Architecture

Describe the strategy behind your software product's development as well as the database(s), third-party APIs to be used, and sub-systems behind its various functionalities.

## Dependencies

List here any aspects which are required to complete the task but may be outside of the control of the software development group. For example, the ecommerce aspect cannot be started until the account application has been approved by Adyen.

## User Interface

Describe how your software product or feature should look and be used by end-users. Include media where applicable. Include images if possible.

## Task Breakdown

Here each of the explicit and implicit functional goals from the Functional should broken down and technical details added. Then each task should be given a rough time estimate to complete. This is where the software engineer determines which database tables will be affected/used and carefully consider all implications to ensure each feature is possible and assign ***rough*** time estimates.

Example Task

Data tables used: yada, zada and foobar

New data table needed: mobileTracker which should link to User table

Data will be added to this from mobile app REST call to new tracking.php which should be put in the /mobile folder on the webserver.

Time increments: have this triggered every X seconds in addition to native “movement” triggering.

**Time Estimate:** 3 days

## Summary

This can be copied directly from the Functional Summary. For example:

The project will be complete once all code is moved to the production server. This will require one hour of server downtime which will be performed between 2am and 3am Eastern Standard Time. At that time the reports outlined above will all be available from our normal Administrative Portal.