<app name>

Mobile application definition

|  |  |  |  |
| --- | --- | --- | --- |
| Role | Name | Title | Date |
| Author |  |  |  |
| Reviewer |  |  |  |
| Reviewer |  |  |  |
| Approver |  |  |  |

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# Goals

## Goals of the App

*What need(s) does the app satisfy? What problem(s) does it solve for the user?*

## Product Owner

*Who is the product owner of this app? (The one who approves the app and determines the priorities and backlog)*

## User Profile

*Special properties/constraints of the average app user, method of usage, environment in which the app is going to be used.*

## Risks

*Refer to "*Appendix – Risk Mitigation Plan*".*

# Application

## Functionality - Epics

*Describe the main functionality of the app (high-level Epics). Add each Epic to JIRA by selecting it and clicking Ctrl-Shift-J. Categorize each epic with a label.*

1. *Epic 1*
2. *Epic 2*
3. *…*

*Add a link to JIRA chart with distribution of epics & features per status – with label = functionality.*

## UserInterface

*User interface guidelines, supported resolutions, responsive UI design, scaling or fixed aspect ratio, orientation (landscape/portrait/hybrid) and interaction constraints. Add links to UI mockups.*

## Menus

*Describe in high-level the menus in the app and add a child page with the detailed definition.*

## Gestures

*Describe the supported gestures in the app.*

## Ads

*Where ads will be incorporated? What types (banners, full screen ads [interstitial ads])?*

## In-App Purchases

*Will there be in-app purchases? Of what items (consumables/non-consumables)?*

## Logical Data Model

*Class diagram of the main data entities.*

## Information Security

*Is authentication required? How? (username & password? Google/Facebook id? Biometric?*

## Capacity, Performance, Response Times

*Describe the requirements for capacity (amount of data), performance (actions per time unit), and response times (seconds per action).*

## Interfaces to other systems/apps/cloud services

## Backward Compatibility

# Technology

## Logical and Physical Architecture

*Put here a block diagram of the main components in the architecture, clients, servers, middleware, and what will run on each of those.*

## Server

*Is there going to be a server? What are its roles? What is its inner software architecture? Which components are going to be run on it, and what are their roles.*

## Database

*Is there going to be a database server? For will it hold?*

## Supported Devices and Operating Systems

*Describe what are the supported devices and operating system. Is there any special hardware required in those devices?*

## Development and Production Environments

*Describe the planned environments that will be used in development, build, integration, testing, pre-production and production (if relevant).*

## Multiplatform Development

*Are you going to write platform independent code? (Cross platform support) How this is going to be done?  Are you going to use external software libraries to achieve this?*

## Development & Maintenance Tools

*Which tools/SW libraries are going to be used for development, source control, backlog management, bug management, build management, etc.*

# Implementation

## Development Team

*Describe the development team that will develop the app, the roles and responsibilities of each one in the team.*

## Management Stakeholders

*Describe the main stakeholders from management that are going to monitor and control the project, what is their role and how will they get the information that they need.*

## Partners

*Describe any partners that you will cooperate in development of the app.*

## Sub-contractors

*Describe any sub-contractors that you will use during the project, what are their roles and what deliverables they are expected to give.*

## Development Process

*Describe the development process that will be used. SCRUM method? Length of sprint?*

## Test Plan

*Describe the high-level plan for testing the app. Who will test? What is the testing methodology? Any automated testing planned? Are you going to use crowd feedback?*

## Major Milestones

Version 1.0:

1. Alpha Release:
2. Beta Release:
3. General Availability:

## Deployment

*Describe the deployment method to the server (if any), to the devices (via the app store, or other method?). Is there going to be any automated deployment?*

## Support

*How you are going to support the app once it is released? Link from within the app for reporting problems? Web site? What is the process for handling reported problems?*

## Configuration Management

*What is your plan for managing the code branches (main development branch in parallel to release branch)?*

## Training

*What training materials are you going to prepare? Help pages, training videos in YouTube? Web site?*

# Appendix – Risk Mitigation Plan

*Main uncertainties (business/technical) that may have negative effect on the attainment of the project goals. How they be mitigated? Open a JIRA task for each mitigation/contingency activity.*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Risk | Risk Causes | Risk Impacts | Impact  (1-5) | Probability (1-5) | Risk Level (1-25) | Mitigation | Contingency (optional) |
| What may happen? |  | Effect on scope, schedule, resources, or quality |  |  | Impact X Probability | How to reduce the probability? | How to reduce the impact if it happens anyway? |
|  |  |  |  |  |  |  |  |