# Video On Demand

# Requirements Documentation

# (version 1)

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# Introduction

**1.1** Project Overview

The Project is to create a B2B SAAS application. Application helps customers to register themselves, Integrate FAST/OTT platforms, manage content processing and deliveries to multiple OTT/FAST platforms.

**1.2** Scope of the Project

Current scope of this project work is to develop functionality to

* + - 1. Register customers and OTT/FAST platforms
      2. Integrate Customers with OTT/FAST platforms

# Functional Requirements

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| --- | --- | --- | --- |
| **Requirement No** | **Requirement** | **Priority** | **Comments** |
| **FR001** | **Portal should allow user to register himself with a username, password. The Username of the Admin user should be unique.** |  |  |
| **FR002** | **Additionally allow user to provide 1. Company Name 2. Email 3. Contact number 4. Location preference 5. Company Logo** |  |  |
| **FR003** | **The first registered user of a company should be assigned the role of Admin** |  |  |
| **FR004** | **There can be only one Admin user per customer company** |  |  |
| **FR005** | **During Login a user should be prompted for login as 1. Content partner 2. Platform partner 3. Portal Manager.** |  |  |
| **FR006** | **Portal Manager should be available only for tritron email id.** |  |  |
| **FR007** | **Authenticated Admin user logged in as content partner can create multiple users with different roles. There can be multiple non admin users/profiles with same role.** |  |  |
| **FR008** | **Following Roles should be supported 1. Admin 2. Content manager 3. Delivery Manager 4. Analyst. For Platform login only Admin and Delivery Manager are to be supported.** |  |  |
| **FR009** | **Only Admin can edit, update and delete the user profiles.** |  |  |
| **FR010** | **Admin users should be provided with provision to reset password.** |  |  |
| **FR011** | **Authenticate the user based on username and password, return the JWT token that includes role of user in Response header** |  |  |
| **FR012** | **Authenticated Admin and delivery managers users should be authorized to create channels/platform specifications. Channel is a logical grouping of assets. Assets can be part of multiple channels. However, certain metadata is channel specific. Assets from channel can be delivered to integrated platforms.** |  |  |
| **FR013** | **Store the channel details that include 1. Channel name, 2. metadata type, 3. media and metadata location 4. Asset Media type(s). Channel name should be unique. Input asset types can be a list. 5. Whether processing is required or not .6. channel logo 7. Channel location** |  |  |
| **FR014** | **A Customer can have multiple channels. A channel can be associated with either a single Customer or an aggregator (Channel)** |  |  |
| **FR015** | **For platform login, to create a platform, store the following details 1. Platform name 2. Platform location 3. Platform logo 4. Platform Specification.** |  |  |
| **FR016** | **Platform specification should be a json template that can be downloaded, filled and uploaded back by the user. Platform spec includes sections on allowed media types with detailed attribute info, delivery type, metadata type and location etc.** |  |  |
| **FR017** | **A logged in user should be able to browse through all the channels/ platforms as appropriate.** |  |  |
| **FR018** | **A logged in user should be able to browse through all the assets and view the top metadata information.** |  |  |
| **FR019** | **A logged in user should be able to create a delivery that integrate channel and platform to create a pipeline** |  |  |
| **FR020** | **Delivery pipeline creation should accept all the required input/output location along with the auth requirements.** |  |  |

# Non-Functional Requirements

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| --- | --- | --- | --- |
| **Requirement ID** | **Requirement Name** | **Priority** | **Comments** |
| **NFR 001** | **Password should be encrypted and stored.** |  |  |
| **NFR 002** | **All the login attempts have to be recorded for intrusion detection and records purpose** |  |  |
| **NFR 003** | **Rate limit the number of login attempts to 3 per minute.** |  |  |
| **NFR 004** | **All the user activity is to be logged and stored** |  |  |