**BUSINESS REQUIREMENTS DOCUMENT**

**Project Name-Covacine**

Version and Approvals

|  |  |  |  |
| --- | --- | --- | --- |
| VERSION HISTORY | |  | |
| Version # | Date | Author | Reason for change |
| 1 | 2-Nov-2022 | Divya |  |
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**Executive Summary**

As a part of Covacine strategic initiative to launch a more services in pharmaceutical industry, the mobile app developed on android platform allows the user to register with the app once they are vaccinated.

The Covacine will be the first app that is developed to know status of the individual whether he is vaccinated or not. The company aims in making the life of consumers and merchandisers easy by eliminating the ad hoc process in the present pandemic situation. This application improves the life of customers and merchandise by providing in hand service at on one click to enter the desired places without any wait time.

**Project Details**

|  |  |
| --- | --- |
| Project Name | Covacine |
| Project Type | New initiative (Android mobile application) |
| Project Start Date |  |
| Project End Date |  |
| Project Sponsor |  |
| Primary Driver |  |
| Secondary Driver |  |
| Division |  |
| Project Manager |  |

**Project Overview**

This document defines the high level requirements for the project name-Covacine It will be used as the basis for the following activities:

* Creating solution designs
* Developing test plans, test scripts, and test cases
* Assessing project success

**Objective 1**

Creating an android application with customer and merchandise mode where they can

download the app and register with the government ID so that they can enter to the places they desire with vaccinated status by scanning the QR code at the merchandise app

**Stakeholders**

|  |  |
| --- | --- |
| **S.No.** | **Stakeholders** |
| **1.** | **ABC technologies** |
| **2.** | **Covacine** |
| **3.** | **Users who download the app** |
| **4.** | **Doctors who register with the app** |
| **5.** | **Pharma company producing the vaccines** |
| **6.** | **Hospitals** |
| **7.** | **Developers** |
| **8.** | **QA team** |
| **9** | **Design Architects** |
| **10.** | **Project Managers** |
| **11.** | **Government** |

**Risks**

* **﻿﻿**There is a strong dependency on pharmaceutical companies as they need to associate with Covacine need to update with unique ID's equal to number of vaccinee produced.
* ﻿﻿There is a dependency on doctor as the doctor has to give the paper with QR code without fail.
* ﻿﻿Most of the merchandise will have there own apps for their respective functions, not sure about the immediate willingness and awareness they will have in installing the apps

﻿﻿New immigrants from the other countries who don't have government ID's cannot register with the app

Limitations

* ﻿﻿Individuals vaccinated status is updated only when they are vaccinated with the vaccination produced from the pharmaceutical company associated with Covacine
* ﻿﻿All the merchants have to use a separate app apart to scan the QR code of the individual.

Assumptions

: Covacine has aready has e m ao or do tons ragire te oRcode

Covacine has already have an algorithy to generate a unique ID for QR associated with the vaccination

* ﻿﻿Covacine is already associated with one pharmaceutical company that produces the corona vaccinations with unique id
* ﻿﻿Covacine has already has a network of movie theatres and airlines who will install there app
* ﻿﻿Covacine has access to some database where it can verify the govt IDs of individuals when the sign up on the app

Project Scope

In Scope

1. ﻿﻿﻿Creation of signup from for individual
2. ﻿﻿﻿Creation the merchandise mode in the same app.
3. ﻿﻿﻿Validating the govt id while signing up

﻿﻿﻿ 4. Create the account once the verification is valid

5. API integration with the user database to Covacine database to merchandise database to show the status of individual when vaccinated

6. Allow to register the family members who don't have govt ID with parental control enabled

7. ﻿﻿﻿Generate the QR code every time when the app is opened

﻿﻿﻿8.Refresh the QR code for every 30 secs

﻿﻿﻿9.Child who is added in the parent account should be able to install the app

﻿﻿﻿﻿10.Automatic emails to be generated for every 6 months with expiry date of vaccine

﻿﻿﻿﻿11.QR codes cannot be generated beyond the expire date of vaccine

﻿﻿﻿﻿12.Showing the simplified dashboard with number of users registered and vaccinated

﻿﻿﻿﻿13.Maintaining the individual database updated as in when new users register

﻿﻿﻿﻿14.Maintaining the vaccination database updated as in when new vaccines are produced

**Out of Scope**

* 1.Printing the QR codes on paper that are given to doctor

﻿﻿﻿2. Integration of merchandise own apps with Covacine app

**Business Requirements**

**High-level Requirements**

**Following are the high-level requirements from user perspective**

* ﻿﻿﻿Creating a welcome screen with "Hello" message on the screen
* ﻿﻿﻿Option to signup by providing the government registered ID
* ﻿﻿﻿Ability to integrate with the database where the application can validate the provided register ID
* ﻿﻿﻿API integration with Covacine customer DB and Merchandize app
* ﻿﻿﻿Ability to provide login access to the child account
* ﻿﻿﻿Create the individual account on the completion of verification status
* ﻿﻿﻿Able to generate QR code as soon as the app is opened
* ﻿﻿﻿QR code should get refreshed for every 30 secs
* ﻿﻿﻿Notification alerts when the vaccine validity is nearing to expiry
* ﻿﻿﻿﻿Create the merchandise login screen
* ﻿﻿﻿﻿Ability for merchandize to scan the individgals QR code
* ﻿﻿﻿﻿Merchandize should be able to see the vaccination status of individual on scanning QR code

Prioritization of requirements

The requirements in this document are prioritized as follows:

|  |  |  |
| --- | --- | --- |
| Value | Rating | Description |
| 1 | Critical | 1. Signing up with Govt ID as it is important to create account  2. Integration of Covacine DB with data having govt ID's |
| 2 | High | 1. Customer should be able to generate QR code  2. QR code to refresh for every 30 sec  3. Merchandize to scan the QR code  4. Proper integration of all the systems (Covacine merchendize.individuals) |
| 3 | Medium | 1. Edit the profile details  2  Adding the secondary accounts  3. Allowing login access for secondary accounts |
| 4 | Low | Dashboard with number of users registered and vaccinated  2. Notification alerts on the expiry of vaccination dates |

**USE Case Diagrams**

Use case diagram-Customer

**Business Rules**

* ﻿﻿Individuals with no government ID cannot register with app
* ﻿﻿QR code generated cannot be shared
* ﻿﻿QR code should not be valid more than 30 sees
* ﻿﻿Application should not produce QR code beyond the vaccination expiry date
* ﻿﻿Lifespan of vaccines should be updated in backend with expiry date

1. ﻿﻿Time limit on verification process need to be finalised
2. ﻿﻿App should not take more than 5 seconds to open

**Future Enhancements**

1. ﻿﻿﻿Integrating the merchandize app with Covacine app

﻿﻿﻿ 2. Moving QR codes to generated instead of static OR code