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| Date | Version Number | Document Changes |
| 09/15/2024 | 1.0 | Initial Draft |
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Approvals

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| --- | --- | --- | --- | --- |
| Role | Name | Title | Signature | Date |
| Project Sponsor | | | | |
| Business Owner |  |  |  |  |
| Project Manager |  |  |  |  |
| System Architect |  |  |  |  |

**1 Introduction**

**1.1 Project Summary**

**1.1.1 Objectives**

As a part of Covacine’s strategic initiative to launch more services in the pharmaceutical industry,

the mobile app developed on Android platform allows the user to register with the app once they are vaccinated. 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 hoe 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.

**1.1.2 Background**

In the present pandemic situation it is difficult for the customer to go out for shopping or any other

place as there is a risk of exposing to covid and even the merchandise are not sure how to keep track of consumers who are vaccinated and ensure safety for their consumers. This problem can be overcome by developing this application.

This application is already developed in IOS and now we are trying to replicate the same on android version

**1.1.3 Business Drivers**

[List the business drivers that make development of this product important. These can be financial, operational, market or environmental.]

1. ﻿﻿﻿Monopolly in the market as we are the l" one who have taken the initiative in developing the application that suits present conditions
2. ﻿﻿﻿We see there is a wide scope of usage for this application as it is manadotory to know the vaccination status of any individual while entering in public space
3. ﻿﻿﻿We are 1" initiatives so we see wide tie up with pharmecituacal companies, doctors and merchandizes which ensures in financial growth of the company

**1.2 Project Scope**

[Describe what work is in scope for the project, and specifically what work is out of scope... beyond the current budget, resources and timeline as approved by the project stakeholders. This is designed to prevent "scope creep" of additional features and functions not originally anticipated.]

**1.2.1 In Scope Functionality**

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

**1.2.2 Out of Scope Functionality**

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

﻿﻿﻿ 2. Integration of merchandise own apps with Covacine app

**1.3 System Perspective**

[Provide a complete description of the factors that could prevent successful implementation or accelerate the projects, particularly factors related to legal and regulatory compliance, existing technical or operational limitations in the environment, and budget/resource constraints.]

**1.3.1 Assumptions**

**1.3.2 Constraints**

**2 Business Process Overview**

[Describe how the current processes) work, including the interactions between systems and various business units. Include visual process flow diagrams to further illustrate the processes the new product will replace or enhance.

Use case documentation and accompanying activity or process flow diagrams can be used to create the descriptions) of the proposed or "To-Be" processes.

**Current Business Process (As-ls)**

Proposed Business Process (To-Be)

**3. Functional Requirements**

[The specific functional requirements elicited from stakeholders should be listed, and categorized by both priority and area of functionality to smooth the process of reading and tracking them. Include links to use case documentation, and other key reference material as needed to make the requirements as complete and understandable as possible. You may wish to incorporate the functional and non-functional requirements into a traceability matrix that can be followed throughout the project.]

Various Modules required are

1. ﻿﻿﻿Admin Module
2. ﻿﻿﻿Customer login Module
3. ﻿﻿﻿Adding the Child profile
4. ﻿﻿﻿Updating user profile
5. ﻿﻿﻿Generating QR code
6. ﻿﻿﻿Merchandize Login Module

**3.1 Customer Create account Module**

The customer should be able to download the application from the Play Store and then create an account to log in so that he can generate the QR code on the vaccination

Create Or log into your existing account

Basic Flow

1. Customer should be able to search the app the play store
2. Download and install the application on the mobile phone
3. Customer tries create the account with registered governement ID
4. Application needs to verify the governement is valid or not
5. After verification of governement ID, one time password is sent to registered mobile number
6. Once the password is verfied the customer is redirected to next page to set the password
7. Customer needs to set the password
8. Once the password is set then customer clicks on create account
9. The account is created
10. The customer is directed to welcome page of the application

**Alternate or Exceptional flow**

a) Invalid ID

1. ﻿﻿﻿Customer should be able to search the app the playstore
2. ﻿﻿﻿Download and install the application on the mobile phone
3. ﻿﻿﻿Customer tries create the account with registered governement ID
4. ﻿﻿﻿Application verifies the govt ID
5. ﻿﻿﻿While running app should display that your profile is being processed
6. ﻿﻿﻿If the verification is not valid it should display an error message displaying your account could not created

**b) User doesn't habe the mobile with registered mobile ID**

1. In step 5 OTP is sent to the registerd mobile and customer is not having the mobile the application should have an option where user can select either mobile number or email id to send one time password for creating the account

**3.2 Updating the vaccination status**

**Basic flow**

1. ﻿﻿﻿The customer needs to login into the account
2. ﻿﻿﻿Click on the tab scan the code
3. ﻿﻿﻿Customer need to scan the code given by doctor on the paper
4. ﻿﻿﻿Once the sccaneed QR code is valid the vaccination status is updated

**Exceptional Flow**

1. In case of any error in step 4, app should display a message showing not able to verify the QR code and display customer supoort number to contact further quiries

**3.3 Adding the Child Profile**

1. ﻿﻿﻿Login into the account
2. ﻿﻿﻿Click on the persona
3. ﻿﻿﻿Select the family members tab
4. ﻿﻿﻿Enter the required details like
5. ﻿﻿﻿Name
6. ﻿Date of birth
7. ﻿﻿﻿Gender
8. ﻿﻿﻿Relationship
9. ﻿﻿﻿Email id
10. ﻿﻿﻿Phone number

﻿﻿﻿5.User needs to enable login access to child so that they can login from there account

﻿﻿6.Click on add button

﻿﻿﻿7.Child account is added to the primary account

**Exceptional Flow**

a) If the DOB provided in step 4 is greater than 18 years the app should display a message saying that dependents only below 18 years can be added

Business Rule:

1. ﻿﻿﻿Primary account can be created only to the individuals who have valid govt id
2. ﻿﻿﻿Secondary account is created to individuals who are below 18 yrs
3. ﻿﻿﻿QR code should be scanned with in 24hrs of vaccination taken
4. ﻿﻿﻿Only 3 login attemps are allowed in case of wrong govt id provided
5. ﻿﻿﻿QR code should be refreshed for every 30 secs
6. ﻿﻿﻿Child account should be locked with all other features
7. ﻿﻿﻿Guardian detials should be displayed on child profile page
8. **Non-Functional Requirements**

[Include technical and operational requirements that are not specific to a function. This typically Includes requirements such as processing time, concurrent users, availability, etc.]

**4.1 ACCESS SECURITY**

The extent to which the system is safeguarded against deliberate and intrusive faults from internal and external sources.

* ﻿﻿Users must change the initially assigned login authentication information (password) immediately after the first successful login. The initial password may never be reused.
* ﻿﻿Users need to change their password for every 3 months
* ﻿﻿Child cannot make any changes to his information on his profile when logged in from his mobile

**Access Levels(Role based Permission)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Role** | **Add** | **Edit** | **Delete** | **View** |
| **Parent** |  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| **Child** | **\*** |  |  |  |
| **x** |  |  |  |
|  |  | **×** |  |

* 1. **AVAILABILITY**

1. Covacine is expected to availabe 365\*24\*7 for the user
2. ﻿﻿﻿Maxmum down time would not more than 2 hours in a week

**Requirement No 4.1**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Data**  **Element** | **Field Type** | **Field Length M/N** |  | **Business Rule** | **Error Message** |  |
| **User Id** | **TextBox** | **10** |  | **Must Allow only characters** | **Please enter**  **Valid user id** |  |
| **Password** | **TextBox** | **8** | **M** | **Must allow alphanumeric value** | **Please enter**  **Valid user id and Password** |  |
| **Submit** | **Button** |  |  | **System should validate whether the User-ID is active and exists in user database or not.**  **Once the ID is verified, system should check whether the login password set for entered User ID is same as available as in database.**  **If the ID & Password is validated successfully then only the user will land on Home Page.**  **User Rights /Views will be restricted basis the Department**  **/ Role type.** |  |  |
| **Cancel** | **Button** |  |  |  |  |  |

**Appendix C – Mock-ups**

Add child Profile

Adding Family members

**Glossary of Terms**

[if needed, identify and define any terms that may be unfamiliar to readers, including terms that are unique to the organization, the technology to be employed, or the standards in use.]

**Related Documents**

(Provide a list of documents or web pages, including links, which are referenced in the BRD.]