**Audio Book Application**

**Business Requirements Document**

**Ver 1.0**



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| --- | --- | --- | --- |
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| Date | March 3rd , 2022 |  |  |

**Table of Contents**

[1.0 Introduction 3](#_Toc97293731)

[1.1 Purpose of this document 3](#_Toc97293732)

[1.2 Project Overview 3](#_Toc97293733)

[1.3 Scope 3](#_Toc97293734)

[1.3.1 In Scope 3](#_Toc97293735)

[1.3.2 Out of Scope 4](#_Toc97293736)

[1.4 Intended Audience 4](#_Toc97293737)

[1.5 Constraints, Assumptions, and Dependencies 4](#_Toc97293738)

[2.0 Organization Architecture 5](#_Toc97293739)

[2.1 Audio book Application team 5](#_Toc97293740)

[2.2 Augurs Technology Pvt. Ltd. 5](#_Toc97293741)

[3.0 Business Process Analysis 6](#_Toc97293742)

[3.1 Current Scenario 6](#_Toc97293743)

[3.2 Workflow 7](#_Toc97293744)

[3.3 Detailed Business requirements 8](#_Toc97293745)

[4.0 Admin Panel Features 15](#_Toc97293746)

[5.0 Technical specifications 18](#_Toc97293747)

[6.0 Development timelines/WBS and milestones 18](#_Toc97293748)

[7.0 References 18](#_Toc97293749)

[8.0 Change Log 19](#_Toc97293750)

# Introduction

## Purpose of this document

This document is aimed at:

* Providing the necessary inputs to the detailed requirements gathering phase and further on for the SDLC processes.
* This document also serves to establish the traceability between the Business Objectives and the requirements identified in the proposed solution and how they satisfy the stated objectives.
* Provide expectation traceability in terms of the requirements and the user expectation
* Serves as a formal template for documenting the Business Requirements which also includes statutory and regulatory requirements.

## Project Overview

To develop an app named –“Audio book Application” like (Audible and blinkist) which will be compatible working on both Web and on mobile interface. The application is all about audio book app, from where user will found the list of the audio files in PDF and in Audio format user can save it as bookmark, and can listen it by downloading it user can also save it in his playlist. The application will be interactive and provide users and engaging experience.

## Scope

### In Scope

1. User registration (Sign-up)/Login
2. Forget Password
3. Setting options for the users which will include ((Account section, Manage subscription plan, Notifications, about, T&C, Feedback, help centre, Contact us )
4. Home screen (books in pdf or audio form)
5. At the top user name
6. Filter based on search (Author, collection, Name of the PDF)
7. Subscription alert page for clicking on any audio/PDF format
8. While clicking on any PDF image will open below it options for choosing, Read now, Play now, add to the bookmark, add to Favourite icons will be shown. Below is about /summary text
9. Similar books options
10. Explore or search bar page
11. Searching by using filter (Title, author, topic)
12. - Filter can be used based on categories
13. My library (List of the books and audio which User last opened which we used as  a bookmark &add to favourite as well)

**Note:** The above written features will be applicable for both Web and Mobile (Android & Ios apps)

### Out of Scope

* Any additional task which is not included in this scope document
* 3rd party tools integrations or functionality which is not discussed or captured in this document.
* Any unidentified dependent development activity, get identified during the development phase

## Intended Audience

* Audio book management team
* Graphic UI designer
* Development team
* Augurs Team - Project management group, Delivery Assurance Group & QA group

## Constraints, Assumptions, and Dependencies

Once identified, these assumptions and constraints shape a project in specific, but diverging ways – assumptions bring possibilities, whereas constraints bring limits.

At a minimum, as the project begins, assumptions and constraints must be defined for one or more of the following elements:

* Key project member’s availability
* Key project member’s performance
* Key project member’s skills
* Internal process lead time
* Vendor delivery times
* Vendor performance issues
* Accuracy of the project schedule dates

Project limitations typically fall into several categories.

Our project’s drivers and supporters may have preset expectations or requirements in one or more of the following categories:

**Results:** The products and effects of your project. For example, the new product must cost no more than $300 per item to manufacture, or the new book must be fewer than 384 pages in length.

**Time frames:** there may have a few tasks where the planned timeline may differ from the actual timeline due to the complexity of the hidden scope.

**Resources:** The type, amount, and availability of resources to perform your project work. Resources can include people, funds, equipment, raw materials, facilities, information, and so on.

**Assumptions:**

* The client will provide all content and timely and approvals
* Assuming the details shared by the client are in the scope of development.

**Constraints:**

* Perfectly execution of the Audio book app infrastructure
* Quality of the features shown on the Audio book app

**Dependencies:**

* Discussions with the client to understand the core business activities to convert to business logic and its requirements

# Organization Architecture

## Audio book Application team

\*Details to be provided by the client

|  |  |  |  |
| --- | --- | --- | --- |
| Name & Position | Primary Responsibilities  (relative to project) | Module | Primary Responsibilities  (relative to application business process) |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## 

## Augurs Technology Pvt. Ltd.

|  |  |  |
| --- | --- | --- |
| **Name & Position** | **Primary Responsibilities (relative to project)** | **Primary Responsibilities**  **(relative to application business process)** |
| Ana(Business Analyst) | Overall project management both from  Client-end and development team. | Managing complete project. Responsible for solving any concern of the client, team. |
| Peter (Project Manager) | Overall Project  management and its closure | Managing the whole project from the scratch |
| Development team | Responsible for the development of the  Complete Audio book application | Collect and understand the initial requirement of the application and work accordingly. |

# Business Process Analysis

## Current Scenario

The requirement is to create an Audio book Application which will be compatible for web and Mobile both the platform, The application will be basically be used for the users entertainment and for fun purpose. Some of the key features of this application are listed below

* token allocation per user per book per month
* allow offline listening while subscription is still valid
* payments system card, paypal, and prepaid code
* different categories of books
* audio and pdf format of book
* summary of books for trial versions
* sleep time auto off/ bookmark etc
* after subscription end no offline books will work
* speed control of reading 1x 2x etc
* apple car play android auto flexibility
* website and app user/book synchronisation
* cloud integration
* user screen customisation favourite, bookmark etc
* only one login at a time
* smart search and filter for audio books
* customer support contact
* social media integration
* play and pause function
* subscription management
* advertisement management
* add/delete/edit books management side
* review and rating by user
* background play
* connect with smart speakers
* extra content management
* 2 minutes segment audio support
* admin side statistics on user reading books etc
* author commission auto funds calculator
* gift card purchase
* 3 language support

## Workflow

Once the user will open the application he/she will be able to navigate the app below is the flow that will be implemented within the application

* **User registration page (Signup/login page):** Once the user will click on this feature within the application he/she will need to fill his/her details such as user name, email address, password etc.
* **Forgot Password:** It will allow the users to reset their password in case if they forgot their previous Password , User just have to enter his/her email id a verification link will be sent to their registered email address from their he/she can reset their password.
* **Home screen (User’s Profile) :** It will display the following below given information while choosing it from the bottom bar
* User’s name at top right corner
* Setting icon (Clicking on it will redirect the users towards the setting page from there user can manage subscription plan, Account section, Manage subscription plan, Notifications, about, T&C, Feedback, help centre, Customer support)
* Searching based on filters (Author’s collection, names, PDf)
* Subscription alert page while clicking on any audio and PDF format for which user wants to play the audio files
* On home screen there will be an audio which will be in PDF or MP3 format , On that audio file there must be the options for play now, read now(If PDF) , add to favourites, add to bookmarks will be chosen by the users
* For a particular Audio file there must be the summary or details description will be shown, so that user will get the idea about the individual audio files.
* Share the audio file content features (By this user can share the audio files in PDF or audio form)
* Social media integration
* **Search page:** While choosing on it from the bottom bar search page will open on search page search bar will be shown and filters options will be given to the user, by which the search results would be displayed, search will be done also by entering the text inside the search box as well.
* **My Library:** Clicking on it from the bottom bar will redirect the user towards the My Library section which will display the audio files (PDF or MP3) which is added by the user in its favourite, bookmarks, last played or read audios, half read or half audio will be shown.
* **Subscription page :** This page will be popped once the user will chose any audio file to play or read , The flow will be
* Choose Audio file
* If it will be free then the audio will play or read
* Offline mode will also by playable and readable if your subscription plan will be valid
* If its paid then a popup page appear which will ask user to subscribe the plan to enjoy the audio
* Subscription plan will be for one month, 3 month, 6 month or 1 years
* Once user will choose any one the plan , it will redirect the user towards the payment page
* Payment page will be functional once we will add the payment gateway (Paypal)
* Payment page will have various options for merchant transactions, by entering card details (Debit/credit cards), or any other payment method.
* **Admin Panel**

Following below given features will be present on the admin panel from which admin can manage the application from his/her end

* User management
* Advertisement management
* Books management (Add/Edit/Delete)
* Content management by the admin ends
* Auto funds calculator
* Language converter (3 language all the contents on the frontend will be converted)
* Statics on readers audio book

## Detailed Business requirements

| Req. # | **Requirement ID** | Business Requirement | Req. Type \* | Priority \*\* | Originator \*\*\* | BR Traced to Business Requirement/ Use case ID |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | BR001 | * **Designing of the web and Mobile and web app pages**   > Sign up /login page  > Forget password  > Setting page on the right corner at the home page (Account section, Manage subscription plan, Notifications, about, T&C, Feedback, help center, Contact us )  > Home screen (books in pdf or audio form)  - At the top user name  - Filter based on search (Author, collection, Name of the PDF)  - Subscription alert page for clicking on any audio/PDF format  - While clicking on any PDF image will open below it options for choosing, Read now, Play now, add to the bookmark, add to Favorite icons will be shown. Below is about /summary text  - Similar books options  > Explore or search bar page  - Searching by using filter (Title, author, topic)  - Filter can be used based on categories  > My library (List of the books and audio which User last opened which we used as  a bookmark &add to favorite as well) | UI | 1 |  | N/A |
| 2. | BR002 | * **Signup/login/Forgot password (Functionality for user )** * Sign up API creation and its implmentiaon * Login API creation and implementation * Forgot Password API creation and Implementation | F | 1 |  | N/A |
| 3 | BR003 | * **Home page (User profile functionalities)** * User name at the top right corner * API’s creation and implementation of the listing of the users * Setting icon * At the bottom of the app , bottom bar will be there on which we have three icons will be there- Home, search, My Library * Audio file name, image, description * Summary for the individual audio book for trail version * Format of the audio book (PDF or audio) * Setting icon (Clicking on will open the setting page on which different features will be shown) | F | 1 |  | N/A |
| 4 | BR004 | * **Home page** * **Setting page** * Account setting for the users * Manage subscription plan for the users * Terms and Conditions * Feedback column for the users * Help centre details and its functional development * Contact us details * Pagination and its validation | F | 1 |  | N/A |
| 5 | BR005 | * **Home page**   -**Audio book features**  - Read audio book functionality  - Play audio book functionality  - Pause audio book functionality  - add to the bookmark functionality API creation and implementation  - Add to favourite functionality API creation and implementation  - Read or play the audio book from where it paused  - Blink features for each audio book  - Summary /notes for each audiobook functionality  -Similar book options features development | F | 1 |  | N/A |
| 6 | BR006 | * **Audio book reading features** * Speed control of the reading like 1X 2x * Book synchronization * Sleep time Auto/off. | F | 1 |  |  |
| 7 | BR007 | * **Search page** * API’s creation and implementation for the search results based on any primary alphabets * Search results based on the filters (Author, Title, Topic) * Filter search based on categories | F | 1 |  |  |
| 8 | BR008 | * **My Library** * List of the Audio books * Last played * Paused audio book functionality * List of the books added to the bookmark * List of the books added to the favourite | F | 1 |  |  |
| 9 | BR009 | * **Subscription Page** * Subscription alert feature for reading or playing the audio book * Subscription plan for monthly, quarterly , on every 6 month, and for 1 year functionality (Radio button to choose) * Subscribe Now CTA button | F | 1 |  |  |
| 10. | BR010 | * **Payment gateway** * PayPal payment gateway integration * Payment gateway page * Merchant transactions * Debit/credit card details filling * Pay now | F | 1 |  |  |
| 11 | BR011 | * **Miscellaneous work** * Testing of the web and mobile app * Bug fixing * UAT * Project closure and deployment on the server | F | 1 |  |  |

# Admin Panel Features

| Req. No | **Requirement ID** | Business Requirement | Req. Type \* | Priority \*\* | Originator \*\*\* | BR Traced to Business Requirement/ Use case ID |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | BR001 | * Admin panel design theme setup * Admin panel login page * Admin panel profile edit and display popup page * Admin panel user dashboard creation * Admin panel content management page * Admin panel advertisement management page * Admin panel Audio books management page * Admin panel Auto fund calculator page * Admin panel language converter | F | 1 |  |  |
| 2 | BR002 | * Admin panel user login API creation and implantation * Form validation * Admin panel edit profile API creation and implenemantions * Admin update profile name, image API creation and implementation | F | 1 |  |  |
| 3 | BR003 | * **Admin User management section** * List of the users * Email id * Phone number * Subscription plan * Status of the subscription plan * Add/Edit/Delete feature for the particular user | F | 1 |  |  |
| 4 | BR004 | * **Admin Audio book management** * Upload audio books * PDF/Audio file format * Name for the audio book * Highlights * Summary of the audio books * Amount to show for the each audio book | F | 1 |  |  |
| 5 | BR005 | * **Admin panel content management** * Frontend contents creation and upload * Contact us * About the app content * Notifications for the users | F | 1 |  |  |
| 6 | BR006 | * **Admin panel Subscription plan management** * New plan creation * Price setup for the subscription plans on the basis of the days and months * Offline plans for the audio books * Subscription alert request * Subscription plan valid date | F | 1 |  |  |
| 7 | BR007 | * **Admin panel extra content management** * Extra contents text creations * New photos addition * Social media integration | F | 1 |  |  |

# Technical specifications

* Mobile and web App – Flutter &MERN Stack
* Admin panel- PHP

# Development timelines/WBS and milestones

Refer to the below-attached link:

<https://docs.google.com/spreadsheets/d/1aZYKSsiB0pXsiL3R8lT6RRle6hU4zMJh/edit#gid=1977015221>

# References

Below is the location to get references from client communication

[Client communication](file:///C:\Users\Dell\Desktop\AR%20Insurance%20App%20project%20documents%20and%20items) [(To be added by the person communicating with the client)](D:\\Project.Docs\\2020.11.17.e20.io\\2020.11.20.Shared.With.Client\\ATPL-20201117-e20.io\\Client.Discussions)

# Change Log

|  |  |
| --- | --- |
| Version Number | Changes Made |
| V1.0 | Initial baseline created on March 03rd, 2022 |
| V1.1 | |  |  |  |  | | --- | --- | --- | --- | | Section No. | Changed By | Effective Date | Changes Effected | |  |  |  |  | |  |  |  |  | |  |  |  |  | |

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