**Application**

**System Requirements**

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# Introduction

This document is meant to delineate the features of application, so as to serve as a guide to the developers on one hand and a software validation document for the prospective client on the other. **Application** mobile application is intended to provide complete solutions for a people whom looking to chat or call with another languages speakers through a single get way using the internet. It will enable the users to set their preferred language and communicate with others on demand.

# Scope:

This application allows the people to communicate other languages speakers without any need for translators throw a hug library of deferent languages.

# Additional Information

The application work on internet server, so it will be operated by any end user.

# Logical Actors

|  |  |  |
| --- | --- | --- |
| Performer Name: | Caller | Description: D:\Prototypes\Icons\Black and White\bIcons\user_icon&32.png |
|  | | ID: ACT01 |
| Description:  This user who will make a call through the application. | | |
| Type: | ☑ Individual □ Group | |

|  |  |  |  |
| --- | --- | --- | --- |
| Performer Name: | Receiver | Description: D:\Prototypes\Icons\Black and White\bIcons\user_icon&32.png | |
|  | | | ID: ACT02 | |
| Description:  This user who will receive the call through the application. | | | | |
| Type: | ☑ Individual □ Group | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Performer Name: | Admin | Description: D:\Prototypes\Icons\Black and White\bIcons\user_icon&32.png | |
|  | | | ID: ACT02 | |
| Description:  This user who has the admin permissions through web based admin panel. | | | | |
| Type: | □ Individual ☑ Group | | |

# General Business Roles

|  |  |
| --- | --- |
| **General** **Business Rules** | |
| Description | NO. |
| When the user run the app for the first time, he must enter his mobile number and confirm it. |  |
| The users must be able to resend the confirmation message after 2 minutes from the first code. |  |
| After confirm user mobile number he must select the preferred language. |  |
| The user must be able to select the preferred language and display language. |  |
| The below types of services must be in the app:   * Voice calls. * Text messages. * Voice messages. * Sharing attachments.(Messages, Videos) |  |
| All user data and messages bust be encrypted. |  |
| The application must allow the free calls and paid calls |  |
| The application must detect the user location after the confirmation message. |  |
| The application must be able to sync with the user contacts and detect the users which download the app. |  |
| For synced users, the user country flag must display under his profile picture. |  |
| The users must be able to share the app. |  |
| The users must be able to rate the app. |  |
| Access request messages must display upon run the app for the below:   * Microphone permission. * Camera permission. * Location permission. * Sync contact permission. * Push notifications. |  |
| Payments gateway must be available in the app :   * Credit card, apple pay …etc. |  |
| User setting page must be available |  |
| Application setting page must be available |  |
| Google adds must be added to the application but disabled in the pinging |  |
| privacy policy |  |
| about app |  |
| share app |  |
| The home page for users must be the calls log page. |  |

# System flow

## New user

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| **Register new user** |  |
|  |  |
| **Business need:**  The user must enter valid phone number in order to be able to access the app | |
| **Main actors**   1. New users | |
| **Prerequisites:**   1. Download the app 2. Enter valid mobile number. | |
| **Main flow:**   1. The user must download the app 2. After downloading the app, user must open it. 3. Enter mobile number page must open display directly 4. From add mobile page the user must enter his phone number and wait for the confirmation code. 5. The user must receive the confirmation code. 6. After entering the confirmation code, the preferred language page should display. 7. The user must select the preferred language, then the application home page must display | |

|  |  |
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| Business Roles | |
| Number | Description |
|  | The user should not be able to skip entering the mobile number page |
|  | The user should not be able to skip the verification page. |
|  | The user should not be able to ship the preferred language page |
|  | Resend verification code link must appear after 2 minutes |
|  | After the signup all users must get 10 minutes of translated calls and 20 translated text message. |

## Voice calls

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| **Make new voice call** |  |
|  |  |
| **Business needs:**  The users must be able to make a voice calls. | |
| **Main actors:**  Registered users. | |
| **Prerequisites:**   1. The application must be downloaded and opened 2. The user must be registered user. | |
| **Main flow:**   1. The user must open the app. 2. From the calls log page, the user will select the contact or search on it from the search text box. 3. The user must select the needed contact, by clicking on his name.    1. Pop up must display to ask if this call is translated or not    2. The user will select the call type (translated/ not translated).    3. After selecting the call type, the call must start immediately.    4. After finishing the call, time counter must display for the call in addition with the call cost. Must be clear and readable. | |

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| Business Roles | |
| Number | Description |
|  | The call receiver preferred language must be auto detected. |
|  | Before starting the call, confirmation message should display to ask if this call is translated or not. |
|  | After finishing the call clear center for the credit and time must display. |
|  | The call tripe must display in the calls log (incoming / outgoing). |
|  | If the call has not been answered, no credit will be taken from the caller. |

## Text Messages

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| **Create New Text Message** |  |
|  |  |
| **Business needs:**  The users must be able to create and send text messages. | |
| **Main actors:**   1. Registered users. | |
| **Prerequisites:**   1. The application must be downloaded and opened 2. The user must be registered user. | |
| 1. The user must open the app. 2. From the calls log page, the user will select the contact or search on it from the search text box. 3. The user must select the needed contact, by clicking on his name.    1. Pop up must display to ask if this text message is translated or not    2. The user will select the message type (translated/ not translated).    3. After selecting the message type, the message must be sent immediately. | |
|  | |

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| Business Roles | |
| Number | Description |
|  | The message must display in both sender and receiver in 2 languages, which is the original and the “translated to”, the preferred language must be in big size and the other language in small size in the below. |
|  | Message status indicator must display for the messages (Sent, delivered, red) |
|  | Sender setting page must display which will allow for the user to make some actions like (Mute this sender, add to favorite .. etc.) |
|  | The users must be able to send attachments (Images, Audio, video). |
|  | Search field must be added to allow for the user to search in any text inside the message body. |

## Admin Panel

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| **Admin panel** |  |
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| Business needs:  This feature will allow for the admin to enter the admin panel throw website based on permissions. | |
| **Main actors:**   1. Admin User | |
| **Prerequisites:**  The user must have access to the admin panel | |
| **Main flow:**   1. The user must navigate to the admin panel link. 2. The user must login with valid username and password. 3. After longing, the below modules should be displayed to the admin user based on his permissions:    * + Admin User management module.      + Push notification module.      + Reports module.      + Application users management module | |

|  |  |
| --- | --- |
| Business Roles | |
| Number | Number |
|  | All admin users modules must be related to permissions |
|  | The notification could be sent regarding to the below:   * Gender * Country * All users |
|  | The notifications could be sent immediately or by scheduled date and time |
|  | The admin should be able to export reports as below:   * Total number of downloads. * Total amount of bought credit. * Total number of downloads per country |
|  | Under application user’s management module, a list of active users must be display. |

## How to earn new free minutes and text messages for the application users

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| --- | --- |
| Business Roles | |
| Number | Number |
|  | For the new registered users 5 minutes and 10 text messages. |
|  | Share the app: for every download the user will earn 2 minutes and 4 text messages. |
|  | For each advertisement video the user will earn 2 minutes and 2 text messages. |

## How to buy credit

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| --- | --- |
| Business Roles | |
| Number | Number |
|  | The users must be able to buy credit by using the payment getaway in the app throw fixed packages as below :   |  |  |  | | --- | --- | --- | |  | Calling minutes | Text messages | | 1 $ | 20 | 40 | | 2 $ | 45 | 90 | | 5 $ | 150 | 300 | |