**Low Level Design Document for**

**POR\_P276**

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***Template usage guide*** *– Please do not delete any section of template. Write “Not applicable” if any of the section is not applicable. You may add additional sections if required.*

# Title

Project Code: POR\_P276

Project Name: **Android Client Integration with GPS, POR & findAadhaar.**

System Name: Enrolment and FindAadhaar

Component Name: Android, Enrol API , CDEP/CDUP

# Components

The major components impacted by the Child Enrolment Lite Android with RGI project are:

* Android
* Client server integration
* Enrol API
* CDEP/CDUP

# Components with Classes and method descriptions

1. **POR**

Classes added/changed:

1. EnrolmentActivity.java

2. EnrolmentReviewActivity.java

3. Enrolment.java

4. DocumentCameraOnly.java

Methods defined for class:

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| --- |
| * **EnrolmentReviewActivity.CreateEnrolmentXML()** |

This method has been called at the time of enrolment XML creation for captured document base64 and details of document.

* **enrolmentDocument.setonClickListener from EnrolmentActivity**

enrolmentDocument click listener to call DocumentCameraOnly page to capture image.

* ***docImg\_child\_preview.setImageBitmap*** *to set preview document image.*

1. **Resident Consent**

Classes changed:

1.EnrolmentActivity.java

2.EnrolmentReviewActivity.java

Methods defined for class:

* + consentPopup used in EnrolmentActivity to show dialog for taking resident consent in yes or no.
  + *parent\_consent.settext to show resident consent in EnrolmentReviewActivty.*
  + *createEnrolmentXml from EnrolmentReviewActivity to set Resident consent yes/no in enrolment xml*

1. ***GPS***

*Classes changed:*

*1. GPSTracker*

*2. EnrolmentReviewActivity*

Methods used:

* locationManager.getLastKnownLocation to get last latitude, longitude & altitude from location.
* *createEnrolmentXml from EnrolmentReviewActivity to set latitude,longitude and altitude in location node of enrolment xml*

1. **FindAadhaar**

Classes used/added:

* 1. DashboardActivity.java
  2. FindAadhaarActivity.java
  3. FindAadhaarCreateRequest.java
  4. FindAadhaarResponseData.java
  5. FindAadhaarModel.java

Methods used:

* + buttonFindAadhaar.setonClickListener from DashboardActivity
  + findAadhaarActivity.sendRequest() to send request to server with CIS request.
  + InitializeActivity of findAadhaarViewActivity to show received details.

## Message Handling (Error and Informational)

* 1. On Successful receive of aadhaar detail new page findAadhaarViewActivity show details with image.
  2. On Failure to receive aadhaar detail popup comes out with below message handling.

1. Unable to connect server because of Socket time out. Please try after some time.
2. Unable to connect server because of Connection time out. Please try after some time.
3. Error Response from server if in case not from above cases.
4. Error while getting details from server.

## Sequence/Process diagram

NA

## User Interface Elements

1. *document\_camera\_only.xml*
2. *activity\_enrolment.xml*
3. *activity\_enrolment\_review.xml*
4. *activity\_find\_aadhaar\_view\_page.xml*
5. *activity\_find\_aadhaar.xml*

## User Interface (UI) Technical Flow/Class Diagram

NA

## Database Entities

NA

## Resources

<http://10.5.96.104/svn/uidai/serverprojects/CEL-Android_Client/branches/POR_P276>

## Unit test scenarios

1. Biometric device must be attached with tabs throughout the applications.
2. UIDAI suggested devices must be used.
3. Tablets must be in full network coverage to use findAadhaar.

# Data Model

NA

# Interface to Third Party Tools and Programs

LocationListener has been implemented which is provided by Google for GPS

# Security Design Assessment (SDA)

NA

# Additional Information, If Any

NA

# Revision History

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| --- | --- | --- | --- | --- | --- |
| **Version no.** | **Date** | **Author** | **Description/summary of changes** | **Reviewed by** | **Approved by** |
| 1.0 | 17/6/2016 | Sharmistha Kundu | Initial Version | Pankaj Kumar Choudhary |  |
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