Interface Specification Document (ISD)

1. Introduction

This document provides the Interface Specification Document (ISD) for the service GetAllPendingApplicationsService (GAPA).

2. Purpose

The purpose of the GetAllPendingApplicationsService is to receive pagination parameters (Limit and Offset), validate them, and fetch pending loan applications (StatusId = Pending) from the database using the stored procedure sp_GetPendingApplicationList. The service returns either a paginated list of applications or structured error responses.

3. JSON Structure

3.1 Request Example


```
{
 "GetAllPendingApplicationsRq": {
  "Limit": 10,
  "Offset": 0
 }
}
```


3.2 Success Response Example


```
{
 "status": "SUCCESS",
 "totalRecords": 2,
 "applications": [
  {
   "ApplicationId": "APP123",
   "ApplicantId": "1001",
   "StatusId": "Pending"
  },
  {
   "ApplicationId": "APP124",
   "ApplicantId": "1002",
   "StatusId": "Pending"
  }
 ]
}
```

3.3 Error Response Example (Invalid Pagination)


```
{
 "ErrorCode": "ERR001",
 "ErrorDescription": "Invalid pagination parameters, Limit or Offset is missing or invalid"
}
```


3.4 Error Response Example (No Records)


```
{
 "ErrorCode": "ERR002",
 "ErrorDescription": "No pending applications found"
}
```


3.5 Error Response Example (Internal Error)


```
{
 "ErrorCode": "ERR999",
 "ErrorDescription": "Unexpected DB or system failure"
}
```


4. Transport Mechanism

The service is exposed as a REST service over ESB using JSON format via HTTP POST method.

5. Error Handling and Recovery

Errors are categorized into technical and business errors. The following table provides the error handling strategy:

Error Code	English Error Description	Type
ERR001	Invalid pagination parameters, Limit or Offset is missing or invalid	Business Error
ERR002	No pending applications found	Business Error
ERR999	Unexpected DB or system failure	Technical Error

6. Request Header Structure

The request body carries the service parameters.

Name	Type	Mandatory	Description
Limit	Int	Y	Number of records to fetch.
Offset	Int	Y	Starting point for pagination.

7. Response Header Structure

The response body carries either the applications list or error details.

Name	Type	Mandatory	Description
Applications	Object	Y	Contains application details.
ApplicationId	Int	Y	Unique application identifier.
ApplicantId	String	Y	Unique applicant identifier.
LoanAmount	Decimal	Y	Requested loan amount.
StatusId	Int	Y	Status of the application (1 = Pending).
Error	Object	Y (on error)	Error container.
ErrorType	String	N	Type of error (e.g., SchemaError).
ErrorCode	String	Y	Error code (ERR001, ERR002, ERR999).
ErrorDescription	String	Y	Human-readable description of the error.