Mission

At XYZ Mobile service provider, we want to develop a portal for my customers to place a request for a new mobile connection online and get it enabled. As a user, I want to apply for a new mobile connection with XYZ Mobile service provider, get a new sim with the option to choose the number and plan. I should be able to place calls from the new sim.

Note: You are not required to implement every aspect of the application. For example, assume authentication and authorization is being developed by another team, to be integrated at a later date.

General Requirements

1. Upload Talktime plans:

As a system, I want to read talktime plans from excel file and upload the same to database

1.1. Acceptance Criteria

1.1.1. Talktime plan data from excel file will be available in the Database

1.1.2. Talktime plan will have Plan name, Validity period, Validity description, Plan amount, Service charge and other relevant fields

2. Request for New connection:

As a user, I want to request for a new mobile connection by giving by personal information and supporting document details as required.

2.1. Acceptance Criteria

2.1.1. Given the application form, I want to be able to enter my personal information, contact details and supporting document details

2.1.2. On submission of the form, validate mandatory fields and email and mobile number format

2.1.3. On successful submission, I want to get the request id, for future tracking

3. Request Tracking:

As a u ser, I want to see the status of my request.

3.1. Acceptance Criteria

3.1.1. As a user, I want to see the status of my request (Possible values for status: In Progress, Approved, Rejected, Refer Back, Connection Enabled)

4. Approve/ Reject Connection Requests:

As a admin of XYZ Mobile service provider, I want to see the approve/ reject a new mobile connection request.

4.1. Acceptance Criteria

4.1.1. As a admin, I want to Approve request based on supporting document validity and credit history

4.1.2. As a admin, I want to Reject/ Refer Back request with comments

4.2. Validations

4.2.1. Only admin can be able to approve/ reject a request

5. Activate Mobile number:

Scheduler job should be scheduled for every 2 minutes to send activation request to all assigned mobile numbers

5.1. Acceptance Criteria

5.1.1. As a admin, I want to see the status of all approved request status to ‘Connection Enabled’

General directions:

1. Mandatory

1.1. Proper validation of the fields.

1.2. Basic performance related consideration to handle large data.

1.3. Give thought to write unit test for at least few parts (Based on priority)

2. Nice to Have

2.1. Activation messages to mobile numbers

3. Assumptions

3.1. Document verification is manual

3.2. After number is assigned, User will get the sim

4. Guidelines

4.1. It’s better to demonstrate one thing working well than it is to demonstrate everything half-complete

4.2. Use your product owners

4.3. Be open and honest with your stakeholders and yourselves; if you’re not going to make it, change direction or negotiate scope with your product owners.

Review

Don’t underestimate the importance of preparing for the review. Each team will have 15 minutes to demonstrate what they have done. Consider finishing development 15 minutes before reviews are scheduled so you have time to do a practice run.