

e-MobileConnect:

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. Request for New connection:

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

1.1. Acceptance Criteria

- 1.1.1. Given the application form, I want to be able to enter my personal information, contact details and upload supporting documents
- 1.1.2. Given the list of talktime plans, I want to select a plan of my choice
- 1.1.3. On submission of the form, validate mandatory fields and email and mobile number format
- 1.1.4. On successful submission, I want to get the request id, for future tracking

2. Request Tracking:

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

2.1. Acceptance Criteria

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

3. List of Requests:

As a admin of XYZ Mobile service provider, I want to see the list of new mobile connection requests

3.1. Acceptance Criteria

- 3.1.1. As a admin, I want to see the list of requests submitted

4. View Request Details:

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

4.1. Acceptance Criteria

- 4.1.1. As a admin, I want to see the details of the selected request
- 4.1.2. As a admin, I want to see the supporting documents uploaded for the request

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

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

5. **Assign Mobile number:**

As a admin of XYZ Mobile service provider, I want to assign a new mobile number for approved requests.

5.1. **Acceptance Criteria**

5.1.1. As a admin, I want to assign new mobile number from the list of available mobile numbers for approved request

6. **Activate Mobile number:**

Batch job should be scheduled for every 5 minutes to send activation request to all assigned mobile numbers

6.1. **Acceptance Criteria**

6.1.1. 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. Fully Integrated working solution with front-end properly communicating to back-end.
- 1.4. Give thought to write unit test for at least few parts (Based on priority)

2. **Nice to Have**

- 2.1. CSS customizations and design principles

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

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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.