



# Software Developer - Assignment

## Overview

Please understand the business requirement below and try to solve the assignment.

## Business Requirements

Create a simple 2-page website using Node.js and SQL database.

### Page 1: Login Page

Use-Case ID	1
User-Case Name	Login Page
Use-Case Description	If the user enters the correct details, log in the user and take them to page 2.
Inputs	<ol style="list-style-type: none"><li>1. Email ID</li><li>2. Password</li><li>3. Submit button</li></ol>
Validations	<ol style="list-style-type: none"><li>1. Validate email ID &amp; password against a database of registered users. Allow the user to login only if input details are correct</li><li>2. If the user enters wrong password 5 times consecutively, block the user for 24 hours from the last incorrect attempt</li></ol>

### Page 2: User Management

Use-Case ID	2.1
User-Case Name	User List
Use-Case Description	Show a list of registered users
User Interface	Show a table with three columns: <ol style="list-style-type: none"><li>1. User name</li><li>2. Email ID</li></ol>



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	3. Actions (View, Edit, Delete)
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<b>Use-Case ID</b>	<b>2.2</b>
User-Case Name	Add User
Use-Case Description	Add a user by clicking on Add Button on "User Management" page
Input	<ol style="list-style-type: none"><li>1. User name</li><li>2. Email ID</li><li>3. Password</li><li>4. Confirm Password</li><li>5. Submit button</li></ol>
Validation	<ol style="list-style-type: none"><li>1. Email ID should be unique</li></ol>

<b>Use-Case ID</b>	<b>2.3</b>
User-Case Name	View User
Use-Case Description	View a user by clicking on View button on "User Management" page against any user row
User Interface	Show following fields <ol style="list-style-type: none"><li>1. User name</li><li>2. Email ID</li></ol>

<b>Use-Case ID</b>	<b>2.4</b>
User-Case Name	Edit User
Use-Case Description	Edit a user by clicking on Edit Button on "User Management" page against any user row
Input	<ol style="list-style-type: none"><li>1. User name</li><li>2. Email ID (uneditable)</li><li>3. Password</li><li>4. Confirm Password</li></ol>



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	5. Submit button
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<b>Use-Case ID</b>	<b>2.5</b>
User-Case Name	Delete User
Use-Case Description	Delete a user by clicking on Delete Button on "User Management" page against any user row
Input	<ol style="list-style-type: none"><li>1. Confirmation pop-up</li><li>2. Submit button</li></ol>

## Submission

Please submit the entire work by zipping the files (exclude the node\_modules folder, zip all the front end, and back end files) and sharing it on "[work-node-1@cointab.in](mailto:work-node-1@cointab.in)" along with your updated resume.