

Field	Description
Introduction	This activity diagram models the logic flow for user authentication, specifically focusing on the decision-making process for validating credentials and determining user roles.
Objectives	<ul style="list-style-type: none"><li>1. To map the decision points for valid vs. invalid login attempts.</li><li>2. To define the routing logic based on user roles (Client vs. Freelancer).</li><li>3. To ensure error feedback loops are in place for failed attempts.</li></ul>
Functional Requirements	<ul style="list-style-type: none"><li>1. The system must verify the entered email and password against stored records.</li><li>2. The system must direct Clients to the "Client Dashboard" and Freelancers to the "Jobs Feed."</li><li>3. The system must display a clear error message for incorrect credentials.</li></ul>
Non-Functional Requirements	<p><b>Usability:</b> Error messages should be informative but secure (e.g., "Invalid Login" instead of "Wrong Password").</p> <p><b>Availability:</b> The login service must be highly available (99.9% uptime).</p>