

Field	Description
Introduction	This sequence diagram details the backend operations required to fetch proposals and process a Client's acceptance of a bid.
Objectives	<ol style="list-style-type: none">1. To map the data retrieval process for fetching multiple proposals.2. To specify the database updates required when a proposal status changes to "Accepted."3. To illustrate the server response confirming the match.
Functional Requirements	<ol style="list-style-type: none">1. The Backend must execute a query to fetch all proposals with JobID = X.2. When "Accept" is clicked, the Backend must update the Proposal status in the Database.3. The system must return a success response to redirect the Client to the payment page.
Non-Functional Requirements	<p>Consistency: The system must prevent race conditions (e.g., accepting two freelancers for one single-slot job).</p> <p>Scalability: The retrieval query must handle jobs with hundreds of proposals efficiently.</p>