

Field	Description
Introduction	<p>This sequence diagram details the backend operations required to fetch proposals and process a Client's acceptance of a bid.</p>
Objectives	<ol style="list-style-type: none"> <li data-bbox="1341 354 2273 385">1. To map the data retrieval process for fetching multiple proposals. <li data-bbox="1180 466 2273 534">2. To specify the database updates required when a proposal status changes to "Accepted." <li data-bbox="1487 620 2273 652">3. To illustrate the server response confirming the match.
Functional Requirements	<ol style="list-style-type: none"> <li data-bbox="1256 695 2273 727">1. The Backend must execute a query to fetch all proposals with JobID = X. <li data-bbox="1162 807 2273 875">2. When "Accept" is clicked, the Backend must update the Proposal status in the Database. <li data-bbox="1123 961 2273 1029">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>