

Field	Description
Introduction	<p>The Class Diagram depicts the static structure of the Sho8la system. It illustrates the system's classes, their attributes, methods, and the relationships (associations, inheritance) between objects.</p>
Objectives	<ol style="list-style-type: none"> 1. To map out the database schema and object-oriented structure. 2. To define the data attributes required for each entity (e.g., User, Job, Proposal). 3. To enforce relationships, such as a Client "posts" a Job, and a Freelancer "submits" a Proposal.
Functional Requirements	<ol style="list-style-type: none"> 1. The system must maintain a User superclass extended by Client, Freelancer, and Admin. 2. The Job class must store details like budget, description, and status. 3. The system must enforce referential integrity (e.g., a Proposal cannot exist without a Job).
Non-Functional Requirements	<p>Maintainability: The code structure should follow OOP principles to allow easy updates.</p> <p>Data Integrity: The design must prevent orphan records in the database.</p>