

## 6. Inter-Agents Messages

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In this document you can find the list of IAMs.

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### Login

#### Input

Parameter	Description
<code>&lt;User&gt;</code>	
<code>&lt;Email&gt;String&lt;/Email&gt;</code>	
<code>&lt;Password&gt;String&lt;/Password&gt;</code>	
<code>&lt;/User&gt;</code>	Request Login.

#### Output

Parameter	Description
<code>&lt;Session&gt;</code>	
<code>&lt;Session_ID&gt;Integer&lt;/Session_ID&gt;</code>	
<code>&lt;User_ID&gt;Integer&lt;/User_ID&gt;</code>	Get login session information.
<code>&lt;Date&gt;Date&lt;/Date&gt;</code>	
<code>&lt;/Session&gt;</code>	

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# Get Bids (Client)

## Input

Parameter	Description
<Bid>	
<Client_ID>Integer</Client_ID>	Get client's bids.
</Bid>	

## Output

Parameter	Description
<Bids>	
<Bid>	
<Client_ID>Integer</Client_ID>	
<Provider_ID>Integer</Provider_ID>	
<Price>Double</Price>	
<Confirmed_Client>Boolean</Confirmed_Client>	
<Confirmed_Provider>Boolean</Confirmed_Provider>	List of bids for this client.
</Bid>	
.	
n	
.	
</Bids>	

## Get Providers

### Input

Parameter	Description
<code>&lt;User&gt;</code>	
<code>&lt;Type&gt;"Provider"&lt;/Type&gt;</code>	
<code>&lt;Resume&gt;</code>	
<code>&lt;keywords&gt;String&lt;/keywords&gt;</code>	Information of providers user wants.
<code>&lt;/Resume&gt;</code>	
<code>&lt;Price&gt;Double&lt;/Price&gt;</code>	
<code>&lt;/User&gt;</code>	

### Output

Parameter	Description
<code>&lt;Users&gt;</code>	
<code>&lt;User&gt;</code>	
<code>&lt;Name&gt;String&lt;/Name&gt;</code>	
<code>&lt;Type&gt;"Provider"&lt;/Type&gt;</code>	
<code>&lt;Resume&gt;</code>	
<code>&lt;File_Path&gt;String&lt;/File_Path&gt;</code>	
<code>&lt;keywords&gt;String&lt;/keywords&gt;</code>	
<code>&lt;/Resume&gt;</code>	List of providers based on user filters.
<code>&lt;Price&gt;Double&lt;/Price&gt;</code>	
<code>&lt;/User&gt;</code>	
<code>.</code>	
<code>n</code>	
<code>.</code>	
<code>&lt;/Users&gt;</code>	

## Place a Bid

### Input

Parameter	Description
<code>&lt;Bid&gt;</code>	
<code>&lt;Provider_ID&gt;Integer&lt;/Provider_ID&gt;</code>	Place a bid for a specific provider.
<code>&lt;Price&gt;Double&lt;/Price&gt;</code>	
<code>&lt;/Bid&gt;</code>	

### Output

Parameter	Description
<code>&lt;Bids&gt;</code>	
<code>&lt;Bid&gt;</code>	
<code>&lt;Client_ID&gt;Integer&lt;/Client_ID&gt;</code>	
<code>&lt;Provider_ID&gt;Integer&lt;/Provider_ID&gt;</code>	
<code>&lt;Price&gt;Double&lt;/Price&gt;</code>	
<code>&lt;Confirmed_Client&gt;Boolean&lt;/Confirmed_Client&gt;</code>	Returns all the client's current bids.
<code>&lt;Confirmed_Provider&gt;Boolean&lt;/Confirmed_Provider&gt;</code>	
<code>&lt;/Bid&gt;</code>	
<code>.</code>	
<code>n</code>	
<code>.</code>	
<code>&lt;/Bids&gt;</code>	

## Accept/Reject Contract

### Input

Parameter	Description
<Contract>	
<Contract_ID>Integer</Contract_ID>	
<Bid_ID>Integer</Bid_ID>	
<Confirmed_Client>Boolean</Confirmed_Client>	
</Contract>	Accept a contract. This can be called by both client and provider to their respective agents.

### Output

Parameter	Description
<Contracts>	
<Contract>	
<Contract_ID>Integer</Contract_ID>	
<Bid_ID>Integer</Bid_ID>	
<Start>Date</Start>	
<End>Date</End>	
<Confirmed_Client>Boolean</Confirmed_Client>	
<Confirmed_Provider>Boolean</Confirmed_Provider>	
</Contract>	Get and updated list of contracts.
.	
n	
.	
</Contracts>	

# Get Projects

## Input

Parameter	Description
<User>	
<User_ID>Integer</User_ID>	Get the list of projects for this user.
</User>	

## Output

Parameter	Description
<Projects>	
<Project>	
<Project_ID>Integer</Project_ID>	
<Contract_ID>Integer</Contract_ID>	
<Start>Date</Start>	
<End>Date</End>	
<Progress>Double</Progress>	List of projects for this user.
</Project>	
.	
n	
.	
</Projects>	

# Send Message

## Input

Parameter	Description
<Message>	
<Chat_ID>Integer</Chat_ID>	
<Text>String</Text>	Send a message to a chat.
<Sender_ID>Integer</Sender_ID>	
</Message>	

## Output

Parameter	Description
<Messages>	
<Message>	
<Chat_ID>Integer</Chat_ID>	
<Text>String</Text>	
<Date_Time>Date</Date_Time>	
<Sender_ID>Integer</Sender_ID>	List of updated messages for each chat.
</Message>	
.	
n	
.	
</Messages>	

## Update Profile

### Input

Parameter	Description
<User>	
<Name>String</Name>	
<Type>"Provider"</Type>	
<Resume>	
<File_Path>String</File_Path>	
<keywords>String</keywords>	
</Resume>	
<Price>Double</Price>	
<Email>String</Email>	
<Phone_Number>String</Phone_Number>	
<Password>String</Password>	
</User>	



Output

Parameter	Description
<User>	
<Name>String</Name>	
<Type>"Provider"</Type>	
<Resume>	
<File_Path>String</File_Path>	
<keywords>String</keywords>	
</Resume>	
<Price>Double</Price>	
<Email>String</Email>	
<Phone_Number>String</Phone_Number>	
</User>	

## Accept/Reject Bid

### Input

Parameter	Description
<code>&lt;Bid&gt;</code>	
<code>&lt;Bid_ID&gt;Integer&lt;/Bid_ID&gt;</code>	
<code>&lt;Confirmed_Provider&gt;Boolean&lt;/Confirmed_Provider&gt;</code>	Accept or reject a bid.
<code>&lt;/Bid&gt;</code>	

### Output

Parameter	Description
<code>&lt;Bid&gt;</code>	
<code>&lt;Client_ID&gt;Integer&lt;/Client_ID&gt;</code>	
<code>&lt;Provider_ID&gt;Integer&lt;/Provider_ID&gt;</code>	
<code>&lt;Price&gt;Double&lt;/Price&gt;</code>	Return the updated bid information.
<code>&lt;Confirmed_Client&gt;Boolean&lt;/Confirmed_Client&gt;</code>	
<code>&lt;Confirmed_Provider&gt;Boolean&lt;/Confirmed_Provider&gt;</code>	
<code>&lt;/Bid&gt;</code>	