# Login

## Input

|  |  |
| --- | --- |
| Parameter | Description |
| <User>  <Email>String</Email>  <Password>String</Password>  </User> | Request Login. |

## Output

|  |  |
| --- | --- |
| Parameter | Description |
| <Session>  <Session\_ID>Integer</Session\_ID>  <User\_ID>Integer</User\_ID>  <Date>Date</Date>  </Session> | Get login session information. |

# Get Bids (Client)

## Input

|  |  |
| --- | --- |
| Parameter | Description |
| <Bid>  <Client\_ID>Integer</Client\_ID>  </Bid> | Get client’s bids. |

## 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>  </Bid>  .  n  .  </Bids> | List of bids for this client. |

# Get Providers

## Input

|  |  |
| --- | --- |
| Parameter | Description |
| <User>  <Type>"Provider"</Type>  <Resume>  <keywords>String</keywords>  </Resume>  <Price>Double</Price>  </User> | Information of providers user wants. |

## Output

|  |  |
| --- | --- |
| Parameter | Description |
| <Users>  <User>  <Name>String</Name>  <Type>"Provider"</Type>  <Resume>  <File\_Path>String</File\_Path>  <keywords>String</keywords>  </Resume>  <Price>Double</Price>  </User>  .  n  .  </Users> | List of providers based on user filters. |

# Place a Bid

## Input

|  |  |
| --- | --- |
| Parameter | Description |
| <Bid>  <Provider\_ID>Integer</Provider\_ID>  <Price>Double</Price>  </Bid> | Place a bid for a specific provider. |

## 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>  </Bid>  .  n  .  </Bids> | Returns all the client’s current bids. |

# 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>  .  n  .  </Contracts> | Get and updated list of contracts. |

# Get Projects

## Input

|  |  |
| --- | --- |
| Parameter | Description |
| <User>  <User\_ID>Integer</User\_ID>  </User> | Get the list of projects for this 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>  </Project>  .  n  .  </Projects> | List of projects for this user. |

# Send Message

## Input

|  |  |
| --- | --- |
| Parameter | Description |
| <Message>  <Chat\_ID>Integer</Chat\_ID>  <Text>String</Text>  <Sender\_ID>Integer</Sender\_ID>  </Message> | Send a message to a chat. |

## Output

|  |  |
| --- | --- |
| Parameter | Description |
| <Messages>  <Message>  <Chat\_ID>Integer</Chat\_ID>  <Text>String</Text>  <Date\_Time>Date</Date\_Time>  <Sender\_ID>Integer</Sender\_ID>  </Message>  .  n  .  </Messages> | List of updated messages for each chat. |

# 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 |
| <Bid>  <Bid\_ID>Integer</Bid\_ID>  <Confirmed\_Provider>Boolean</Confirmed\_Provider>  </Bid> | Accept or reject a bid. |

## Output

|  |  |
| --- | --- |
| Parameter | Description |
| <Bid>  <Client\_ID>Integer</Client\_ID>  <Provider\_ID>Integer</Provider\_ID>  <Price>Double</Price>  <Confirmed\_Client>Boolean</Confirmed\_Client>  <Confirmed\_Provider>Boolean</Confirmed\_Provider>  </Bid> | Return the updated bid information. |

# …

## Input

|  |  |
| --- | --- |
| Parameter | Description |
|  |  |

## Output

|  |  |
| --- | --- |
| Parameter | Description |
|  |  |

# …

## Input

|  |  |
| --- | --- |
| Parameter | Description |
|  |  |

## Output

|  |  |
| --- | --- |
| Parameter | Description |
|  |  |