API Design Document:

**ADD an Item**

**PUT:** <http://localhost:3000/item>

Body data – (application/json)

**{**

**"params": {**

**"ItemViewData": {**

**"Category": "Men's cloting",**

**"Sub\_Category": "Jeans",**

**"Name": "Mufti black jeans",**

**"Quantity": "9",**

**"Price": "1048"**

**}**

**}**

**}**

**GET the list of items**

**GET:** <http://localhost:3000/item/list/All>

Response

{

"params": [

{

"\_id": "5bd2be737d25580d886b6ff4",

"Category": "Men's cloting",

"Sub\_Category": "Jeans",

"Name": "Mufti black jeans",

"Quantity": "9",

"Price": "1048"

},

{

"\_id": "5bd2bed77d25580d886b6ff5",

"Category": "Women's cloting",

"Sub\_Category": "Jeans",

"Name": "Mufti black jeans",

"Quantity": "8",

"Price": "1049"

}

]

}

**GET the list of AGENT**

**GET**: <http://localhost:3000/agent/list>

Response

{

"params": [

{

"\_id": "5bd1f534dc596534e477f3ef",

"Name": "Aman",

"Email": "aman@test.one",

"Mobile\_No": "987487542154",

"Availability": "Y",

"Current\_Orders": 6,

"Address": [

{

"Type": "Work",

"Flat\_No": "571",

"Street": "Hinjewadi",

"City": "Meerut",

"State": "UP",

"Country": "India",

"PinCode": "411057"

},

{

"Type": "Home",

"Flat\_No": "771",

"Street": "Hinjewadi",

"City": "Meerut",

"State": "UP",

"Country": "India",

"PinCode": "411057"

}

]

},

{

"\_id": "5bd1f572dc596534e477f3f0",

"Name": "Akash",

"Email": "akash@test.one",

"Mobile\_No": "7487542154",

"Availability": "Y",

"Current\_Orders": 8,

"Address": [

{

"Type": "Work",

"Flat\_No": "571",

"Street": "Hinjewadi",

"City": "Meerut",

"State": "UP",

"Country": "India",

"PinCode": "411057"

},

{

"Type": "Home",

"Flat\_No": "771",

"Street": "Hinjewadi",

"City": "Meerut",

"State": "UP",

"Country": "India",

"PinCode": "411057"

}

]

}

]

}

**Create an AGENT**

**PUT**: <http://localhost:3000/agent>

Body data – (application/json)

{

"params": {

"AgentViewData": {

"Name": "Akash",

"Email": "akash@test.one",

"Mobile\_No": "7487542154",

"Availability": "Y",

"Current\_Orders": 8,

"Address": [{

"Type": "Work",

"Flat\_No": "571",

"Street": "Hinjewadi",

"City": "Meerut",

"State": "UP",

"Country": "India",

"PinCode": "411057"

},

{

"Type": "Home",

"Flat\_No": "771",

"Street": "Hinjewadi",

"City": "Meerut",

"State": "UP",

"Country": "India",

"PinCode": "411057"

}]

}

}

}

**UPDATE an Agent**

**POST:** <http://localhost:3000/agent/:itemID>

Request params: itemID (id of the item like 5bd19456e5f38c0338d46609)

Body data – (application/json)

{

"params": {

"AgentViewData": {

"Availability": "N",

"Current\_Orders": 7

}

}

}

**Add a User**

**Put:** [**http://localhost:3000/register**](http://localhost:3000/register)

{

"params": {

"RegisterViewData": {

"Name": "sumat",

"Email": "sumatt@gmail.com",

"Password": "edffgf",

"Address": [{

"Type": "Home",

"Flat\_No": "744",

"Street": "Hinjewadi",

"City": "Pune",

"State": "UP",

"Country": "india",

"PinCode": 478878

},

{

"Type": "Work",

"Flat\_No": "744",

"Street": "Hinjewadi",

"City": "Meerut",

"State": "UP",

"Country": "india",

"PinCode": 478878

}]

}

}

}

**Order Collection**

Major API for booking an order. It checks the **User**, availability of **Agent** in the particular region with **minimum Orders**, availability of **Items** in the order then books the **Order**. After booking the order it reduces the quantity of **Items** accordingly to the order and increases the **Current Order**s of the Agent. The Current Order status of Agent helps the Order API to find the Agent with minimum orders.

**Add an Order**

**Put:** [**http://localhost:3000/order**](http://localhost:3000/order)

Request Body

{

"params": {

"OrderViewData": {

"User\_ID": "5bd2204af76dca17f4f46c8b",

"Delivery\_Address\_Type": "Home",

"Items": [

{

"\_id": "5bd2bff97d25580d886b6ff6",

"Name": "Gas stove",

"Quantity": "2",

"Price": "3049"

},

{

"\_id": "5bd2be737d25580d886b6ff4",

"Name": "Mufti black jeans",

"Quantity": "4",

"Price": "1048"

},

{

"\_id": "5bd2c288ad327a31242b3699",

"Name": "Gas stove",

"Quantity": "2",

"Price": "120"

}]

}

}

}

**Update tracking status of order**

**POST:** <http://localhost:3000/order/tracking/update/5bd497f4aec787291cf5f47c>

**Request Body**

**{**

**"params": {**

**"OrderViewData": {**

**"Tracking\_Status": [{**

**"Dispatched": "Yes"**

**}**

**]**

**}**

**}**

**}**

**GET a particular order**

**GET:** [**http://localhost:3000/order/:orderID**](http://localhost:3000/order/:orderID)

**Response**

**{**

**"params": [**

**{**

**"\_id": "5bd497f4aec787291cf5f47c",**

**"User\_ID": "5bd415963e9d8e2be0f4f206",**

**"Delivery\_Address\_Type": "Home",**

**"Agent\_ID": "5bd4164d3e9d8e2be0f4f209",**

**"Tracking\_ID": "4182770f38704875a18c2f61dfe3d8e7",**

**"Tracking\_Status": [**

**{**

**"Confirmed": "Yes"**

**},**

**{**

**"Dispacthed": "Yes"**

**},**

**{**

**"In Route": "Yes"**

**},**

**{**

**"Delivered": "Yes"**

**},**

**{**

**"Money Received": "Yes"**

**}**

**],**

**"Items": [**

**{**

**"\_id": "5bd416083e9d8e2be0f4f208",**

**"Name": "Mufti jeans",**

**"Quantity": "5",**

**"Price": "2874"**

**}**

**]**

**}**

**]**

**}**

**GET the list of Orders**

**GET:** <http://localhost:3000/order/list/all>

**Response**

**{**

**"params": [**

**{**

**"\_id": "5bd46a66c4eb1237a031e20e",**

**"User\_ID": "5bd415963e9d8e2be0f4f206",**

**"Delivery\_Address\_Type": "Home",**

**"Agent\_ID": "5bd4164d3e9d8e2be0f4f209",**

**"Tracking\_ID": "1aa858c9851f425dac81f40d51e0cbae",**

**"Tracking\_Status": [**

**{**

**"Despatched": "Yes"**

**},**

**{**

**"Confirmed": "Yes"**

**}**

**],**

**"Items": [**

**{**

**"\_id": "5bd416083e9d8e2be0f4f208",**

**"Name": "Mufti jeans",**

**"Quantity": "5",**

**"Price": "2874"**

**}**

**]**

**},**

**{**

**"\_id": "5bd497f4aec787291cf5f47c",**

**"User\_ID": "5bd415963e9d8e2be0f4f206",**

**"Delivery\_Address\_Type": "Home",**

**"Agent\_ID": "5bd4164d3e9d8e2be0f4f209",**

**"Tracking\_ID": "4182770f38704875a18c2f61dfe3d8e7",**

**"Tracking\_Status": [**

**{**

**"Confirmed": "Yes"**

**},**

**{**

**"Dispacthed": "Yes"**

**},**

**{**

**"In Route": "Yes"**

**},**

**{**

**"Delivered": "Yes"**

**},**

**{**

**"Money Received": "Yes"**

**}**

**],**

**"Items": [**

**{**

**"\_id": "5bd416083e9d8e2be0f4f208",**

**"Name": "Mufti jeans",**

**"Quantity": "5",**

**"Price": "2874"**

**}**

**]**

**}**

**]**

**}**