

ROBOT APOCALYPSE API

1. Add Survivor

Description: This allows user to add survivor(s). Survivor can be added once as long as he/she maintains same ID.

Request Type: **POST**

URL: <http://localhost:8080/RobotsApocalypse/services/api/insertSurvivor>

Request Payload:

```
{
  "id": "A12340000",
  "idtype": "Passport",
  "name": "test tester1",
  "age": "20",
  "gender": "Male",
  "locationLatitude": "77.4977",
  "locationLongitude": "27.2046",
  "infectedStatus": "No",
  "inventory": [
    {
      "inventoryName": "Food"
    }
  ]
}
```

Response:

```
{
  "responseStatus": "00",
  "responseMessage": "Survivor submitted successfully"
}
```

2. Update Survivor Location

Description: This allows user to update survivor(s) location.

Request Type: **POST**

URL: <http://localhost:8080/RobotsApocalypse/services/api/updateLocation>

Request Payload:

```
{  
  "id": "A12340000",  
  "locationLatitude": "70.4977",  
  "locationLongitude": "21.2046"  
}
```

Response:

```
{  
  "responseStatus": "00",  
  "responseMessage": "Survivor location updated successfully"  
}
```

3. Flag Infected

Description: This allows user to flag survivor(s) as infected. If survivor is flagged infected up to 3 times, the system will automatically change the survivor status as infected.

Request Type: **POST**

URL: <http://localhost:8080/RobotsApocalypse/services/api/flagInfected>

Request Payload:

```
{  
  "id": "A12340000",  
  "infectedStatus": "Yes"  
}
```

Response:

```
{
  "responseStatus": "00",
  "responseMessage": "Survivor infection status updated successfully"
}
```

4. Percentage Infected

Description: This shows the percentage of infected survivors.

Request Type: **GET**

URL: <http://localhost:8080/RobotsApocalypse/services/api/percentageInfected>

Response:

```
{
  "percentageValue": "0.33"
}
```

5. Percentage Non-Infected

Description: This shows the percentage of uninfected survivors.

Request Type: **GET**

URL: <http://localhost:8080/RobotsApocalypse/services/api/percentageNoninfected>

Response:

```
{
  "percentageValue": "0.67"
}
```

6. List Infected

Description: This gives a report of all infected survivors recorded on the system.

Request Type: **GET**

URL: <http://localhost:8080/RobotsApocalypse/services/api/listInfected>

Response:

```
[
  {
    "id": "A12345600",
    "idtype": "Passport",
    "name": "test tester1",
    "age": "20",
    "gender": "Male",
    "locationLatitude": "77.4977",
    "locationLongitude": "27.2046",
    "infectedStatus": "Yes",
    "dateCreated": "2022-03-18 16:55:52.0"
  }
]
```

7. List Non Infected

Description: This gives the report of all uninfected survivors recorded on the system.

Request Type: **GET**

URL: <http://localhost:8080/RobotsApocalypse/services/api/listNoninfected>

Response:

```
[
  {
    "id": "A12340000",
    "idtype": "Passport",
    "name": "test tester1",
    "age": "20",
    "gender": "Male",
    "locationLatitude": "70.4977",
```

```
"locationLongitude": "21.2046",  
"infectedStatus": "No",  
"dateCreated": "2022-03-18 16:59:35.0"  
}  
]
```

8. List Robots

Description: This gives the report of all robots on the robot system. Sorted according to the robot category.

Request Type: **GET**

URL: <http://localhost:8080/RobotsApocalypse/services/api/listRobots>

Response:

```
[  
  {  
    "model": "12WEI",  
    "serialNumber": "4SQZJB5SR87O3CM",  
    "manufacturedDate": "2022-03-24T19:02:20.4792992+00:00",  
    "category": "Flying"  
  },  
  {  
    "model": "8RMDL",  
    "serialNumber": "8D2Y2GKKWWLXIFY",  
    "manufacturedDate": "2022-04-17T19:02:20.4793285+00:00",  
    "category": "Flying"  
  },  
  {  
    "model": "8RVZ8",  
    "serialNumber": "87O93VN878GIXQK",  
    "manufacturedDate": "2022-03-27T19:02:20.4793107+00:00",  
  }  
]
```

```
    "category": "Flying"
  },
  {
    "model": "98WKK",
    "serialNumber": "D8L86PGA3WHRYKY",
    "manufacturedDate": "2022-04-02T19:02:20.4793159+00:00",
    "category": "Flying"
  },
  {
    "model": "B6TXT",
    "serialNumber": "D20VV7CAGUVI105",
    "manufacturedDate": "2022-03-21T19:02:20.4792967+00:00",
    "category": "Flying"
  },
  {
    "model": "DXX5E",
    "serialNumber": "UQZG6NQP47XSVKV",
    "manufacturedDate": "2022-04-26T19:02:20.4793414+00:00",
    "category": "Flying"
  },
  {
    "model": "FTD2O",
    "serialNumber": "DVE78F993MN2HV5",
    "manufacturedDate": "2022-04-08T19:02:20.4793209+00:00",
    "category": "Flying"
  },
  {
    "model": "H4KS3",
    "serialNumber": "U3AI46MJXXLK63A",
```

```
"manufacturedDate": "2022-04-14T19:02:20.4793259+00:00",
"category": "Flying"
},
{
  "model": "ITDKI",
  "serialNumber": "X33NZVCCUQI20NP",
  "manufacturedDate": "2022-04-20T19:02:20.479331+00:00",
  "category": "Flying"
},
{
  "model": "JB2LJ",
  "serialNumber": "D9R1CNICCCITU6L",
  "manufacturedDate": "2022-03-30T19:02:20.4793134+00:00",
  "category": "Flying"
},
{
  "model": "ODQ7B",
  "serialNumber": "FCEZ6DB6OKIOMVK",
  "manufacturedDate": "2022-04-05T19:02:20.4793184+00:00",
  "category": "Flying"
},
{
  "model": "OK32O",
  "serialNumber": "3G2OBXJEMHCFTWW",
  "manufacturedDate": "2022-05-05T19:02:20.4793488+00:00",
  "category": "Flying"
},
{
  "model": "RHLQP",
```

```
"serialNumber": "5R8Q2ODHQ0MBQH6",
"manufacturedDate": "2022-05-02T19:02:20.4793463+00:00",
"category": "Flying"
},
{
  "model": "S28BI",
  "serialNumber": "NTS33AH2LH5DHX2",
  "manufacturedDate": "2022-03-18T19:02:20.4792924+00:00",
  "category": "Flying"
},
{
  "model": "UH5YX",
  "serialNumber": "LM7G29SBRCB8FN4",
  "manufacturedDate": "2022-04-23T19:02:20.4793334+00:00",
  "category": "Flying"
},
{
  "model": "V5X8Y",
  "serialNumber": "MDRG7DRZE65K64M",
  "manufacturedDate": "2022-04-11T19:02:20.4793235+00:00",
  "category": "Flying"
},
{
  "model": "Y2NJ0",
  "serialNumber": "80POZXYDT2PIU8W",
  "manufacturedDate": "2022-04-29T19:02:20.4793438+00:00",
  "category": "Flying"
},
{
```



```
"model": "03MWJ",
"serialNumber": "RFJGXDTXZ6C87XG",
"manufacturedDate": "2022-04-12T19:02:20.4793243+00:00",
"category": "Land"
},
{
  "model": "110SK",
  "serialNumber": "JY55A4JD6E0DP25",
  "manufacturedDate": "2022-04-03T19:02:20.4793167+00:00",
  "category": "Land"
},
{
  "model": "16DGP",
  "serialNumber": "HATA6SAP1RLCPM1",
  "manufacturedDate": "2022-04-06T19:02:20.4793193+00:00",
  "category": "Land"
},
{
  "model": "3IOD9",
  "serialNumber": "FY5VXTSNQG629UN",
  "manufacturedDate": "2022-03-28T19:02:20.4793117+00:00",
  "category": "Land"
},
{
  "model": "3OODQ",
  "serialNumber": "WPXQN5O7H5Q9IWM",
  "manufacturedDate": "2022-04-28T19:02:20.479343+00:00",
  "category": "Land"
},
```

```
{
  "model": "3WYPI",
  "serialNumber": "26XL7GPZAPI93R1",
  "manufacturedDate": "2022-04-27T19:02:20.4793422+00:00",
  "category": "Land"
},
{
  "model": "6AI10",
  "serialNumber": "GLOOQIOKAAOVPG8",
  "manufacturedDate": "2022-05-01T19:02:20.4793455+00:00",
  "category": "Land"
},
{
  "model": "6V7CI",
  "serialNumber": "PMAEQMCUUQKTNIJ",
  "manufacturedDate": "2022-03-22T19:02:20.4792975+00:00",
  "category": "Land"
},
{
  "model": "6XYWM",
  "serialNumber": "JDU94C5RNB9I2Z",
  "manufacturedDate": "2022-04-25T19:02:20.479335+00:00",
  "category": "Land"
},
{
  "model": "78GD9",
  "serialNumber": "54O3MASFUZQ9RPD",
  "manufacturedDate": "2022-03-23T19:02:20.4792983+00:00",
  "category": "Land"
}
```

```
},
{
  "model": "7H0JC",
  "serialNumber": "WDA5Q2KJ1DG2NTD",
  "manufacturedDate": "2022-03-31T19:02:20.4793142+00:00",
  "category": "Land"
},
{
  "model": "7ND5U",
  "serialNumber": "U03KX25SZJSAJS3",
  "manufacturedDate": "2022-04-07T19:02:20.4793201+00:00",
  "category": "Land"
},
{
  "model": "8V6LS",
  "serialNumber": "26ZN5Z3XXM8K0X2",
  "manufacturedDate": "2022-04-10T19:02:20.4793226+00:00",
  "category": "Land"
},
{
  "model": "HDA1M",
  "serialNumber": "OZ1Z685UN7JK5PW",
  "manufacturedDate": "2022-03-20T19:02:20.4792958+00:00",
  "category": "Land"
},
{
  "model": "HMU6T",
  "serialNumber": "HMUCQLXP4TV5PRP",
  "manufacturedDate": "2022-04-19T19:02:20.4793302+00:00",
```

```
"category": "Land"
},
{
  "model": "IVY3G",
  "serialNumber": "XHREMV7ONUZDS03",
  "manufacturedDate": "2022-03-29T19:02:20.4793126+00:00",
  "category": "Land"
},
{
  "model": "KHHW5",
  "serialNumber": "7HYJLXOBMKFXSZT",
  "manufacturedDate": "2022-04-24T19:02:20.4793342+00:00",
  "category": "Land"
},
{
  "model": "MJH7C",
  "serialNumber": "1RSE8J1HFDAAENS",
  "manufacturedDate": "2022-04-30T19:02:20.4793447+00:00",
  "category": "Land"
},
{
  "model": "NOZTL",
  "serialNumber": "F9YW1BFODS3V4YO",
  "manufacturedDate": "2022-03-26T19:02:20.4793009+00:00",
  "category": "Land"
},
{
  "model": "NSHM4",
  "serialNumber": "IV5OL2ECB5BA5IL",
```

```
"manufacturedDate": "2022-04-22T19:02:20.4793326+00:00",
"category": "Land"
},
{
  "model": "OCL5U",
  "serialNumber": "LEJYORWGY2VKVSE",
  "manufacturedDate": "2022-04-16T19:02:20.4793276+00:00",
  "category": "Land"
},
{
  "model": "OTMN7",
  "serialNumber": "AR22YVWIU5HIDAA",
  "manufacturedDate": "2022-04-04T19:02:20.4793176+00:00",
  "category": "Land"
},
{
  "model": "OVTZ9",
  "serialNumber": "ZWLXES7IQ94E9VH",
  "manufacturedDate": "2022-04-15T19:02:20.4793268+00:00",
  "category": "Land"
},
{
  "model": "PDEX0",
  "serialNumber": "5RGEYOU7OBY1L4",
  "manufacturedDate": "2022-05-03T19:02:20.4793471+00:00",
  "category": "Land"
},
{
  "model": "RGIME",
```

```
"serialNumber": "WSZR9K36SWOKLRR",
"manufacturedDate": "2022-04-09T19:02:20.4793218+00:00",
"category": "Land"
},
{
  "model": "TGSIC",
  "serialNumber": "6DW8YCK0FNYJJY5",
  "manufacturedDate": "2022-04-21T19:02:20.4793318+00:00",
  "category": "Land"
},
{
  "model": "U7H1Q",
  "serialNumber": "36A4ALC8ERFMB5E",
  "manufacturedDate": "2022-03-25T19:02:20.4793001+00:00",
  "category": "Land"
},
{
  "model": "UNW6W",
  "serialNumber": "50UYNTTQRJ7ZHUV",
  "manufacturedDate": "2022-04-18T19:02:20.4793294+00:00",
  "category": "Land"
},
{
  "model": "YJSDV",
  "serialNumber": "WMW9GK6OC0W8AGR",
  "manufacturedDate": "2022-03-19T19:02:20.4792948+00:00",
  "category": "Land"
},
{
```

```

    "model": "YN7VB",
    "serialNumber": "EG4KYNFICTNCX0U",
    "manufacturedDate": "2022-05-04T19:02:20.479348+00:00",
    "category": "Land"
  },
  {
    "model": "YOSP2",
    "serialNumber": "IDT0QYO6LB2TAZG",
    "manufacturedDate": "2022-04-13T19:02:20.4793252+00:00",
    "category": "Land"
  },
  {
    "model": "YW6QL",
    "serialNumber": "JMX5XVBB1PNUFHH",
    "manufacturedDate": "2022-05-06T19:02:20.4793496+00:00",
    "category": "Land"
  },
  {
    "model": "YZ0C8",
    "serialNumber": "N4LKMGSSVO6CLTJX",
    "manufacturedDate": "2022-04-01T19:02:20.479315+00:00",
    "category": "Land"
  }
]

```

9. Search Robots

Description: This gives the report of robots searched by category on the robot system.

Request Type: **POST**

URL: <http://localhost:8080/RobotsApocalypse/services/api/searchRobots>

Request Payload:

```
{  
  "category": "Flying"  
}
```

Response:

```
[  
  {  
    "model": "8TWIU",  
    "serialNumber": "UBH2AJK42UAT49A",  
    "manufacturedDate": "2022-03-24T18:31:35.6827329+00:00",  
    "category": "Flying"  
  },  
  {  
    "model": "A1F67",  
    "serialNumber": "NJK5C2JZ2CKJU2S",  
    "manufacturedDate": "2022-04-29T18:31:35.6830139+00:00",  
    "category": "Flying"  
  },  
  {  
    "model": "A94UG",  
    "serialNumber": "Y2MFOJQZ567UJ2Z",  
    "manufacturedDate": "2022-04-26T18:31:35.6830104+00:00",  
    "category": "Flying"  
  },  
  {  
    "model": "GYWP8",  
    "serialNumber": "H5DGLSW78QZPS5J",  
  }  
]
```



```
"manufacturedDate": "2022-04-08T18:31:35.6829465+00:00",
"category": "Flying"
},
{
  "model": "IRAAT",
  "serialNumber": "9WE1SSYXTJTITIB",
  "manufacturedDate": "2022-03-18T18:31:35.6825127+00:00",
  "category": "Flying"
},
{
  "model": "KYQDD",
  "serialNumber": "QL2RVEN0UZ2WBML",
  "manufacturedDate": "2022-04-14T18:31:35.6829819+00:00",
  "category": "Flying"
},
{
  "model": "MP9TZ",
  "serialNumber": "OTSE0MQKPN94WF",
  "manufacturedDate": "2022-03-27T18:31:35.6827967+00:00",
  "category": "Flying"
},
{
  "model": "O3LK2",
  "serialNumber": "Z9MQ4395PIEWJWR",
  "manufacturedDate": "2022-04-05T18:31:35.6829309+00:00",
  "category": "Flying"
},
{
  "model": "PEP1P",
```

```
"serialNumber": "GOWRFPYG84L45MY",
"manufacturedDate": "2022-04-11T18:31:35.6829634+00:00",
"category": "Flying"
},
{
  "model": "QG7E4",
  "serialNumber": "WZJ3HKXXCPPT3HO",
  "manufacturedDate": "2022-05-02T18:31:35.6830172+00:00",
  "category": "Flying"
},
{
  "model": "RSPMW",
  "serialNumber": "V0KCDDOYD549MD9",
  "manufacturedDate": "2022-04-02T18:31:35.682915+00:00",
  "category": "Flying"
},
{
  "model": "SXIQW",
  "serialNumber": "BVYDP8NM57QQ91K",
  "manufacturedDate": "2022-04-17T18:31:35.6829942+00:00",
  "category": "Flying"
},
{
  "model": "TPMUC",
  "serialNumber": "ZF6ISTXBCOR7ZHP",
  "manufacturedDate": "2022-03-30T18:31:35.6828636+00:00",
  "category": "Flying"
},
{
```

```
    "model": "TQC0V",
    "serialNumber": "SPQID49X02D0TP7",
    "manufacturedDate": "2022-03-21T18:31:35.6826676+00:00",
    "category": "Flying"
  },
  {
    "model": "UQI8O",
    "serialNumber": "QYDI7ZNMTL5QV60",
    "manufacturedDate": "2022-04-23T18:31:35.6830011+00:00",
    "category": "Flying"
  },
  {
    "model": "XN2ZZ",
    "serialNumber": "GIP4SYBD04UQHEQ",
    "manufacturedDate": "2022-05-05T18:31:35.6830205+00:00",
    "category": "Flying"
  },
  {
    "model": "ZHXR2",
    "serialNumber": "EDD7GE7TFAAHERZ",
    "manufacturedDate": "2022-04-20T18:31:35.6829976+00:00",
    "category": "Flying"
  }
]
```