

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": "0.80"  
}
```

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": "0.20"  
}
```

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:

```
[
  {
    "tbid": 11,
    "id": "A12340008",
    "idtype": "Passport",
    "fullName": "test tester1",
    "age": "20",
    "gender": "Male",
    "locationLatitude": "77.4977",
    "locationLongitude": "27.2046",
    "infectedStatus": "Yes",
    "datecreated": "2022-03-22 22:21:27.0"
  },
  {
    "tbid": 13,
    "id": "A12340009",
    "idtype": "Passport",
    "fullName": "test tester1",
    "age": "20",
    "gender": "Male",
    "locationLatitude": "77.4977",
    "locationLongitude": "27.2046",
    "infectedStatus": "Yes",
    "datecreated": "2022-03-22 22:23:36.0"
  },
  {
    "tbid": 15,
    "id": "A12340006",
    "idtype": "Passport",
```

```
"fullName": "test tester1",
"age": "20",
"gender": "Male",
"locationLatitude": "77.4977",
"locationLongitude": "27.2046",
"infectedStatus": "Yes",
"datecreated": "2022-03-22 22:26:43.0"
},
{
  "tbid": 17,
  "id": "A12340010",
  "idtype": "Passport",
  "fullName": "test tester1",
  "age": "20",
  "gender": "Male",
  "locationLatitude": "77.4977",
  "locationLongitude": "27.2046",
  "infectedStatus": "Yes",
  "datecreated": "2022-03-23 13:00:40.0"
},
{
  "tbid": 19,
  "id": "A12340012",
  "idtype": "Passport",
  "fullName": "test tester1",
  "age": "20",
  "gender": "Male",
  "locationLatitude": "77.4977",
  "locationLongitude": "27.2046",
```

```
"infectedStatus": "Yes",
"datecreated": "2022-03-23 13:14:21.0"
},
{
  "tbid": 1,
  "id": "A12345600",
  "idtype": "Passport",
  "fullName": "test tester1",
  "age": "20",
  "gender": "Male",
  "locationLatitude": "77.4977",
  "locationLongitude": "27.2046",
  "infectedStatus": "Yes",
  "datecreated": "2022-03-18 16:55:52.0"
},
{
  "tbid": 2,
  "id": "A12340000",
  "idtype": "Passport",
  "fullName": "test tester1",
  "age": "20",
  "gender": "Male",
  "locationLatitude": "70.4977",
  "locationLongitude": "21.2046",
  "infectedStatus": "Yes",
  "datecreated": "2022-03-18 16:59:35.0"
},
{
  "tbid": 3,
```

```
"id": "A12345678",
"idtype": "Passport",
"fullName": "test testers",
"age": "20",
"gender": "Male",
"locationLatitude": "77.4977",
"locationLongitude": "27.2046",
"infectedStatus": "Yes",
"datecreated": "2022-03-18 18:42:01.0"
}
]
```

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:

```
[
{
  "tbid": 5,
  "id": "A12340001",
  "idtype": "Passport",
  "fullName": "test tester1",
  "age": "20",
  "gender": "Male",
  "locationLatitude": "77.4977",
  "locationLongitude": "27.2046",
  "infectedStatus": "No",
  "datecreated": "2022-03-22 17:20:08.0"
},
```

```
{
  "tbid": 8,
  "id": "A12340002",
  "idtype": "Passport",
  "fullName": "test tester1",
  "age": "20",
  "gender": "Male",
  "locationLatitude": "70.4981",
  "locationLongitude": "21.2080",
  "infectedStatus": "No",
  "datecreated": "2022-03-22 17:59:36.0"
}
]
```

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": "19KIU",
    "serialNumber": "V6ORHI76O7251SN",
    "manufacturedDate": "2022-05-10T13:32:13.6019664+00:00",
    "category": "Flying"
  },
  {
    "model": "2002X",
    "serialNumber": "LNXRDBYGYSSXW4E",

```



```
"manufacturedDate": "2022-05-04T13:32:13.6019607+00:00",
"category": "Flying"
},
{
  "model": "4TNNS",
  "serialNumber": "VTAIKHN8YK9NZO4",
  "manufacturedDate": "2022-04-16T13:32:13.6019367+00:00",
  "category": "Flying"
},
{
  "model": "8VLI7",
  "serialNumber": "YSNZ1KCR8JM23MO",
  "manufacturedDate": "2022-03-29T13:32:13.6019087+00:00",
  "category": "Flying"
},
{
  "model": "AHJ26",
  "serialNumber": "3UPMNHQWQG62G86",
  "manufacturedDate": "2022-04-19T13:32:13.6019396+00:00",
  "category": "Flying"
},
{
  "model": "J5WQS",
  "serialNumber": "F7S6YKNTZT2R3AH",
  "manufacturedDate": "2022-05-01T13:32:13.6019578+00:00",
  "category": "Flying"
},
{
  "model": "JG2A5",
```

```
"serialNumber": "T2JA2YT8BEY1W52",
"manufacturedDate": "2022-04-10T13:32:13.6019309+00:00",
"category": "Flying"
},
{
  "model": "N6LAQ",
  "serialNumber": "EDECX42DNCEGG51",
  "manufacturedDate": "2022-04-13T13:32:13.6019338+00:00",
  "category": "Flying"
},
{
  "model": "N8V5H",
  "serialNumber": "GP1WJ547PGTLVIW",
  "manufacturedDate": "2022-04-01T13:32:13.601922+00:00",
  "category": "Flying"
},
{
  "model": "QXNGD",
  "serialNumber": "YGD67RQVV1T6EBC",
  "manufacturedDate": "2022-04-04T13:32:13.601925+00:00",
  "category": "Flying"
},
{
  "model": "R8Z9S",
  "serialNumber": "ESK7ZQDB1XQUWH6",
  "manufacturedDate": "2022-04-28T13:32:13.6019483+00:00",
  "category": "Flying"
},
{
```

```
"model": "RIA8O",
"serialNumber": "CQAPSGD2LMXLK1",
"manufacturedDate": "2022-04-07T13:32:13.6019281+00:00",
"category": "Flying"
},
{
  "model": "SHOPZ",
  "serialNumber": "QLPR4QZLD4G9ZJ5",
  "manufacturedDate": "2022-03-26T13:32:13.6019057+00:00",
  "category": "Flying"
},
{
  "model": "TKJI0",
  "serialNumber": "LI6ETE2DOT3PR8K",
  "manufacturedDate": "2022-05-07T13:32:13.6019635+00:00",
  "category": "Flying"
},
{
  "model": "U6HOK",
  "serialNumber": "CG26008U8167OMJ",
  "manufacturedDate": "2022-04-22T13:32:13.6019425+00:00",
  "category": "Flying"
},
{
  "model": "X5AV2",
  "serialNumber": "N1HUTLYPLT7DRDV",
  "manufacturedDate": "2022-04-25T13:32:13.6019454+00:00",
  "category": "Flying"
},
```

```
{
  "model": "X00JX",
  "serialNumber": "ES0BHQ33DT9OUAF",
  "manufacturedDate": "2022-03-23T13:32:13.6019012+00:00",
  "category": "Flying"
},
{
  "model": "1YC1L",
  "serialNumber": "DWP7GYWV1M0U1KF",
  "manufacturedDate": "2022-04-06T13:32:13.6019271+00:00",
  "category": "Land"
},
{
  "model": "2LXA1",
  "serialNumber": "MVLAVSASOVYSYI6",
  "manufacturedDate": "2022-03-24T13:32:13.6019035+00:00",
  "category": "Land"
},
{
  "model": "515D7",
  "serialNumber": "829Y2UIBY0V0W4N",
  "manufacturedDate": "2022-04-03T13:32:13.6019241+00:00",
  "category": "Land"
},
{
  "model": "5JXN7",
  "serialNumber": "5UIV59S6Z7LURUU",
  "manufacturedDate": "2022-05-08T13:32:13.6019645+00:00",
  "category": "Land"
}
```

```
},  
{  
  "model": "76FVW",  
  "serialNumber": "5YF480ZLSR7XF47",  
  "manufacturedDate": "2022-04-27T13:32:13.6019473+00:00",  
  "category": "Land"  
},  
{  
  "model": "B0DV5",  
  "serialNumber": "7G8D8SOAVFIOZAJ",  
  "manufacturedDate": "2022-04-05T13:32:13.6019261+00:00",  
  "category": "Land"  
},  
{  
  "model": "E2XJE",  
  "serialNumber": "6JS8PWCY55QS3XJ",  
  "manufacturedDate": "2022-04-21T13:32:13.6019415+00:00",  
  "category": "Land"  
},  
{  
  "model": "F8X8F",  
  "serialNumber": "GRZEJ62G7OD67IK",  
  "manufacturedDate": "2022-03-27T13:32:13.6019067+00:00",  
  "category": "Land"  
},  
{  
  "model": "FZQ1A",  
  "serialNumber": "2KT0ZEJJCE272HG",  
  "manufacturedDate": "2022-04-14T13:32:13.6019348+00:00",
```

```
"category": "Land"
},
{
  "model": "G08S4",
  "serialNumber": "L4WXQGKFS49GGCR",
  "manufacturedDate": "2022-04-29T13:32:13.6019492+00:00",
  "category": "Land"
},
{
  "model": "GC1B7",
  "serialNumber": "5KU13TEXZMAR856",
  "manufacturedDate": "2022-03-30T13:32:13.6019097+00:00",
  "category": "Land"
},
{
  "model": "HX0G2",
  "serialNumber": "KTSM320P5L63JKC",
  "manufacturedDate": "2022-03-31T13:32:13.6019107+00:00",
  "category": "Land"
},
{
  "model": "K1B6J",
  "serialNumber": "63JIPXWO41TXEMI",
  "manufacturedDate": "2022-04-08T13:32:13.601929+00:00",
  "category": "Land"
},
{
  "model": "KWM70",
  "serialNumber": "6HXYCQLS2JL10RL",
```

```
"manufacturedDate": "2022-03-25T13:32:13.6019046+00:00",
"category": "Land"
},
{
  "model": "L2H8B",
  "serialNumber": "3Z1OQGHX3TJB49W",
  "manufacturedDate": "2022-04-02T13:32:13.6019232+00:00",
  "category": "Land"
},
{
  "model": "LPZ0V",
  "serialNumber": "7UL1QNO3TM719I1",
  "manufacturedDate": "2022-04-17T13:32:13.6019376+00:00",
  "category": "Land"
},
{
  "model": "MCN55",
  "serialNumber": "TN1Y4IR7Y8JX5L5",
  "manufacturedDate": "2022-05-09T13:32:13.6019655+00:00",
  "category": "Land"
},
{
  "model": "MNIFS",
  "serialNumber": "WXU4BMB78009HFG",
  "manufacturedDate": "2022-04-30T13:32:13.6019502+00:00",
  "category": "Land"
},
{
  "model": "MZH41",
```

```
"serialNumber": "462RUBGFFN4QAQL",
"manufacturedDate": "2022-04-26T13:32:13.6019464+00:00",
"category": "Land"
},
{
  "model": "N0Z2K",
  "serialNumber": "PPL2K8NGNOIVJ9B",
  "manufacturedDate": "2022-04-23T13:32:13.6019435+00:00",
  "category": "Land"
},
{
  "model": "N93HL",
  "serialNumber": "PF58AMTP49R38TS",
  "manufacturedDate": "2022-04-11T13:32:13.6019318+00:00",
  "category": "Land"
},
{
  "model": "QFM1M",
  "serialNumber": "GQ539DGY7LYPT9X",
  "manufacturedDate": "2022-04-15T13:32:13.6019357+00:00",
  "category": "Land"
},
{
  "model": "R2U1X",
  "serialNumber": "SVI1XYZFY3M2FLJ",
  "manufacturedDate": "2022-05-11T13:32:13.6019674+00:00",
  "category": "Land"
},
{
```



```
"model": "V2G3V",
"serialNumber": "0AP7DMBRWGUT1JS",
"manufacturedDate": "2022-03-28T13:32:13.6019077+00:00",
"category": "Land"
},
{
  "model": "V40L5",
  "serialNumber": "U9SP9LRFHYX8583",
  "manufacturedDate": "2022-05-06T13:32:13.6019626+00:00",
  "category": "Land"
},
{
  "model": "XK2WD",
  "serialNumber": "FNH2DA8A6IQ12WM",
  "manufacturedDate": "2022-05-02T13:32:13.6019587+00:00",
  "category": "Land"
},
{
  "model": "XPWT2",
  "serialNumber": "ZH9XLK0FFLP3X1V",
  "manufacturedDate": "2022-04-18T13:32:13.6019386+00:00",
  "category": "Land"
},
{
  "model": "XW9OB",
  "serialNumber": "RS3PADIRT50GEYS",
  "manufacturedDate": "2022-04-09T13:32:13.6019299+00:00",
  "category": "Land"
},
}
```

```
{
  "model": "YF244",
  "serialNumber": "42CNIM0QKT8O4SQ",
  "manufacturedDate": "2022-05-05T13:32:13.6019617+00:00",
  "category": "Land"
},
{
  "model": "ZEXG1",
  "serialNumber": "8RHO7JFG7S9DAMM",
  "manufacturedDate": "2022-05-03T13:32:13.6019598+00:00",
  "category": "Land"
},
{
  "model": "ZI2XL",
  "serialNumber": "UJPOH9UI6EJMUZQ",
  "manufacturedDate": "2022-04-12T13:32:13.6019328+00:00",
  "category": "Land"
},
{
  "model": "ZQWIZ",
  "serialNumber": "YDZE8TDQN54HOD4",
  "manufacturedDate": "2022-04-24T13:32:13.6019444+00:00",
  "category": "Land"
},
{
  "model": "ZUYQF",
  "serialNumber": "XIYH7DEHX0QG4W9",
  "manufacturedDate": "2022-04-20T13:32:13.6019406+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": "1U502",  
    "serialNumber": "EFZ35QLBUE049X1",  
    "manufacturedDate": "2022-04-19T13:36:35.7417243+00:00",  
    "category": "Flying"  
  },  
  {  
    "model": "238W9",  
    "serialNumber": "9GPOXAPEIOWY60L",  
    "manufacturedDate": "2022-05-10T13:36:35.7417431+00:00",  
    "category": "Flying"  
  },  
  {  
    "model": "2FNEY",  
    "serialNumber": "KGW6O3TVP4ZI486",
```

```
"manufacturedDate": "2022-03-23T13:36:35.7416917+00:00",
"category": "Flying"
},
{
  "model": "3QJ02",
  "serialNumber": "259B96HRORS1NEV",
  "manufacturedDate": "2022-04-13T13:36:35.7417193+00:00",
  "category": "Flying"
},
{
  "model": "6PSPU",
  "serialNumber": "FRLBO8AUOOCZHFH",
  "manufacturedDate": "2022-04-22T13:36:35.7417268+00:00",
  "category": "Flying"
},
{
  "model": "9W4RC",
  "serialNumber": "2WNI967ZF26UMWZ",
  "manufacturedDate": "2022-04-04T13:36:35.7417117+00:00",
  "category": "Flying"
},
{
  "model": "9WFGZ",
  "serialNumber": "05FVJQHP34UPVHQ",
  "manufacturedDate": "2022-04-28T13:36:35.7417321+00:00",
  "category": "Flying"
},
{
  "model": "DRSKL",
```

```
"serialNumber": "OACBQE4C3AFXGY",
"manufacturedDate": "2022-04-25T13:36:35.7417295+00:00",
"category": "Flying"
},
{
  "model": "EG64H",
  "serialNumber": "4BOYIZQ56EV1I5O",
  "manufacturedDate": "2022-04-16T13:36:35.7417218+00:00",
  "category": "Flying"
},
{
  "model": "HCUJQ",
  "serialNumber": "LMN7XN4MHD9QPSO",
  "manufacturedDate": "2022-05-01T13:36:35.7417356+00:00",
  "category": "Flying"
},
{
  "model": "NZOME",
  "serialNumber": "P6U1SWDO6EV4L7H",
  "manufacturedDate": "2022-05-07T13:36:35.7417406+00:00",
  "category": "Flying"
},
{
  "model": "OS044",
  "serialNumber": "ND3DB6H30CW6GH8",
  "manufacturedDate": "2022-04-01T13:36:35.741709+00:00",
  "category": "Flying"
},
{
```

```
"model": "SIU1B",
"serialNumber": "O7AR5S1L1137D80",
"manufacturedDate": "2022-03-26T13:36:35.741696+00:00",
"category": "Flying"
},
{
  "model": "TDII6",
  "serialNumber": "FRKA3DTX7FDY18H",
  "manufacturedDate": "2022-04-10T13:36:35.7417168+00:00",
  "category": "Flying"
},
{
  "model": "UY36K",
  "serialNumber": "3O9O2MAT4E9L2QL",
  "manufacturedDate": "2022-05-04T13:36:35.7417382+00:00",
  "category": "Flying"
},
{
  "model": "VIJUF",
  "serialNumber": "P5PCJ0CRSE9MRNO",
  "manufacturedDate": "2022-04-07T13:36:35.7417142+00:00",
  "category": "Flying"
},
{
  "model": "ZI3NB",
  "serialNumber": "C1BE4DXIY1G9UWY",
  "manufacturedDate": "2022-03-29T13:36:35.7416986+00:00",
  "category": "Flying"
}
```

