Outage System API design

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1.   List All the outage

API: /outage/ListAll
Description: List All the outage for user view
Method: POST
Request: NULL
Sample Data: N/A
Response:

		Type	Desc
Code		Num	0 means success. -1 means fail.
msg		Text	Error msg
outageList		Array	
id	outageList	Text	Outage ID
type	outageList	Text	
city	outageList	Text	
zipcode	outageList	Text	
address	outageList	Text	
Impacted	outageList	Text	
Start_time	outageList	DATE	
Estimated_res_time	outageList	DATE	
reason	outageList	Text	

Crew_status	outageList	Text	

Sample Data:

```
{
  Code: 0,
  Msg: "success",
  outageList: [
  {
      id: "987123",
      type: "un-planned",
      city: "987123",
      zipcode: "un-planned",
      address: "987123",
      impacted: "un-planned",
      start_time: "987123",
      estimated_res_time: "un-planned",
      reason: "987123",
      Crew_status: "un-planned",
  },
  {
      id: "123456",
      type: "un-planned",
      city: "987123",
      zipcode: "un-planned",
      address: "987123",
      impacted: "un-planned",
      start_time: "987123",
      estimated_res_time: "un-planned",
      reason: "987123",
      Crew_status: "un-planned",
  },
  ]
}
```

2.   Query outage Information

API: /outage/ID
Description: List outage by ID
Method: GET
Request:

		Type	Desc
ID		Text	Outage ID

Sample Data:

Response:

		Type	Desc
Code		Num	0 means success. -1 means fail.
msg		Text	Error msg
outage		Object	
id	outage	Text	Outage ID
type	outage	Text	
city	outage	Text	
zipcode	outage	Text	
address	outage	Text	
Impacted	outage	Text	
Start_time	outage	DATE	
Estimated_res_time	outage	DATE	
reason	outage	Text	
Crew_status	outage	Text	

Sample Data:

```
{
    Code: 0,
    Msg: "success",
    outage:
    {
        id: "987123",
        type: "un-planned",
        city: "987123",
        zipcode: "un-planned",
        address: "987123",
        impacted: "un-planned",
        start_time: "987123",
        estimated_res_time: "un-planned",
        reason: "987123",
        Crew_status: "un-planned",
    },
}
```

3.   Update outage Information

API: /outage/ID
Description: update outage by ID
Method: POST
Request:

		Type	Desc
outage		Object	

id	outage	Text	Outage ID
type	outage	Text	
city	outage	Text	
zipcode	outage	Text	
address	outage	Text	
Impacted	outage	Text	
Start_time	outage	DATE	
Estimated_res_time	outage	DATE	
reason	outage	Text	
Crew_status	outage	Text	

Sample Data:

```
{
    id: "987123",
    type: "un-planned",
    city: "987123",
    zipcode: "un-planned",
    address: "987123",
    impacted: "un-planned",
    start_time: "987123",
    estimated_res_time: "un-planned",
    reason: "987123",
    Crew_status: "un-planned",
}
```

Response:

		Type	Desc
Code		Num	0 means success. -1 means fail.
msg		Text	Error msg