Problem Statement

Requirement specification for a meeting dashboard application in an organization is as follows:

- Any member in an organization can host a meeting and send an invitations to other members within an organization.
- Invitees can accept or reject the meeting with proper reason.
- Every meeting has the title, timestamp and place/location associated.
- Every meeting has predefined agendas and documents associated.
- Meeting discussion concludes with identifying tasks to accomplish.
- Every task has title, priority, deadline and note associated with it.
- Task can be assigned to any attendee of meeting.

❖ Design and implement a system with API set mentioned below.
❖ You are supposed to use MongoDB as backend. However you can use frontend technology of your choice i.e. PHP, Python and JAVA etc.
❖ Set of APIs
- o Create member
- o List member
- o Create meeting
- o List meetings
- o Update meeting
- o Send invitation for a meeting
- o Add agenda to meeting
- o Upload doc to meeting
- o Add task to meeting
- o Update task status

❖ Format of sample data is given below.

Members

```
{
 "id": "M1",
 "name": "Member 1",
 "department": "Department 1",
 "designation" : "Designation 1",
 "contact_nos" : ["93043253325", "3523523623"],
 "email" : "member1@meeting.com"
}
```

Meeting

```
{
 "id": "M1",
 "title": "Meeting1",
 "place": "Room No 1",
 "timestamp": "DD-MM-YYYY H:i:s",
 "note": "Notes",
 "host": {
    "host_id": "H1",
    "name": "Host 1",
    "department": "D1"
```

```json
    },
    "agenda": [
      {
        "id": "A1",
        "title": "Agenda 1",
        "note": "Agenda Notes 1"
      },
      {
        "id": "A2",
        "title": "Agenda 2",
        "note": "Agenda Notes 2"
      }
    ],
    "docs": [
      {
        "id": "D1",
        "title": "Document 1",
        "url": "http://doc1.com"
      },
      {
        "id": "D2",
        "title": "Document 2",
        "url": "http://doc2.com"
      }
    ],
    "invitees": [
      {
        "id": "M1",
        "name": "Member 1",
        "department": "Department 1",
        "email": "member1@meet.com"
      },
      {
        "id": "M2",
        "name": "Member 2",
        "department": "Department 2",
        "email": "member2@meet.com"
      },
      {
        "id": "M3",
        "name": "Member 3",
        "department": "Department 3",
        "email": "member3@meet.com"
      }
    ],
    "attendees": [
      {
        "id": "M1",
        "name": "Member 1",
        "department": "Department 1",
        "email": "member1@meet.com"
      },
      {
        "id": "M3",
        "name": "Member 3",
        "department": "Department 3",
        "email": "member3@meet.com"
      }
    ],
    "tasks": [
      {
```

```json
      "id": "T1",
      "title": "Task 1",
      "deadline": "DD-MM-YYYY H:i:s",
      "priority": "HIGH|MID|LOW",
      "status": "CREATED|ASSIGNED|DONE",
      "assigned_to": "M1"
    },
    {
      "id": "T2",
      "title": "Task 2",
      "deadline": "DD-MM-YYYY H:i:s",
      "priority": "HIGH|MID|LOW",
      "status": "CREATED|ASSIGNED|DONE",
      "assigned_to": "M1"
    },
    {
      "id": "T3",
      "title": "Task 3",
      "deadline": "DD-MM-YYYY H:i:s",
      "priority": "HIGH|MID|LOW",
      "status": "CREATED|ASSIGNED|DONE",
      "assigned_to": "M3"
    }
  ]
}
```