Database Schema

for

TimeTable Generator

Version 1.0

CS-08

Indian Institute of Information Technology Vadodara

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Revision History

Name	Date	Reason For Changes	Version
Aman Yadav	10/10/2018	Initiate	1.0

The database is Non-relational.

These are the six DB Models used and their Mongo Schemas:-

User:

```
{
  name: {
    type: String,
    required: true
  },
  email: {
    type: String,
    required: true
  },
  password: {
    type: String,              //Hashed String
    required: true
  },
  avatar: {
    type: String
  },
  date: {
    type: Date,
    default: Date.now          //Current Date

  }
}
```

Profile:

```
{
  user: {
    ref: User
  },
  institute: {
```

```
    type: String
  },
  instituteWebsite: {
    type: String
  }
}
```

Subject:

```
{
  user: {
    ref: User
  },
  Subject: {
    type: [String],                    //Array of String
    required: true
  }
}
```

Teacher:

```
{
  user: {
    ref: User
  },
  teachersName: {
    type: [String],              //Array of String
    required: true
  }
}
```

ClassAndSec:

```
{
  user: {
    ref: User
  },
  classAndsec: {
```

```
    type: [String],                    //Array of String
    required: true
  }
}
```

TimeTable:

```
{
  noOfDays: {
    type: Number,
    required: true
  },
  noOfSlotsEachDay: {
    type: Number,
    required: true
  },
  slots: [
    {
      classAndSec: {
        ref: ClassAndSec
      },
      teachersName: {
        ref: Teacher
      },
      subject: {
        ref: Subject
      }
    }
  ]
}
```