

Automatic Payroll & Budget Management for Small Business

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• Employee

The employee collection will store all employees' data. Employees will be able to login, update their personal details, their working hours, manager under which they work, job description, payment date and the tax cut etc.

```
{
  "firstName": "John",
  "lastName": "Doe",
  "email": "JDoe@gmail.com",
  "total_hours": "180",
  "office": "JP MORGAN",
  "taxes": "3000",
  "total_payroll": "10000",

  "manager_name": "Steven Rooney",
  "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
  "budget": 5000,
  "payDate": "2019-10-1",
  "job_title": "Senior Data Engineer",
  "emergency_contact" : "9734623782",
  "user_login_id" : "johndoe",
  "hashed_password" :
"$1p$08$XdvNkfdNIL9F8xsuIUeSbNOFgK0M0iV5H0skfVn7.L0ncShU.O"
}
```

Name	Type	Description
_id	String	A globally unique identifier to represent the employee.
firstName	String	The first name of the employee.
lastName	String	The last name of the employee.
email	String	The email_id of the employee.
total_hours	Integer	The number of hours the employee has worked
office	String	The branch address in which employee works
taxes	Integer	The amount of taxes which will be deducted
total_payroll	Integer	The monthly pay of employee
manager_name	String	The name of manager the employee is under
budget	Integer	The monthly budget of the employee
payDate	Date	The date on which the employee is to be paid
job_title	String	Job title of the employee

emergency_contact	String	The contact number incase of emergency
user_login_id	String	The login id for employee
hashed_password	String	The passwords used for login

Manager

The Manager collection will have information of the manager of each employee. The manager can track all the information saved inside Employee Collection. The manager can set the company budget and manage the profits and revenue parameters.

```
{
  "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
  "first_name": "Stevens",
  "last_name": "Rooney",
  "email": "srooney@gmail.com",
  "office": "JP MORGAN",
  "budget": "50000",
  "revenue": "2000000",
  "profits": "100000",
  "employees": ["7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310"],
  "user_login_id" : "srooney",
  "hashed_password" :
"$8p$02$XdvNkfdNIL9F8xsu9SAeSbNOFgK0M0iV5HOskfVn7.LOncShU.O"
}
```

Name	Type	Description
_id	String	A globally unique identifier to represent the employee.
first_name	String	The first name of the manager.
last_name	String	The last name of the manager.
email	String	The email of the manager.
office	String	The office address for the manager.
budget	Integer	The company budget for coming term.
Revenue	Integer	The company revenue this term.
profits	Integer	The company profits this term.
Employees	Array	The list of unique ids for all employees under the manager.
user_login_id	String	The login id for the employer
hashed_password	String	The password for employer login.

Talent_Aquisition

Talent_Aquisition is the collection used to save the details about prospects in the talent pool. Various information about the individual's background, skills, and technologies which he /she works on are added. The manager can sort this information according to the need of the project and the vacancy.

```
{
  "_id": "11b7997a2-c0d2-4f8c-a22f-6a1d4b5b6322",
  "first_name": "Jerry",
  "last_name": "Bolt",
  "email": "jbolt@gmail.com",
  "address": "127 Central Ave,NJ-07307",
  "ready_relocate":"yes",
  "race":"Asian",
  "war_veteran":"No",

  "disability":"No",
  "skills":["web development", "data mining"],

  "technologies":["Node.js", "Python"],
  "contact_no" : "281991023112"
}
```

Name	Type	Description
_id	String	A globally unique identifier to represent the individual.
first_name	String	The first name of individual.
last_name	String	The last name of individual.
Email	String	The email id of the individual

Address	String	The address of the individual.
ready_relocate	String	If the person is ready to relocate or not
Race	String	The race of the individual.
war_veteran	String	If the person was a war veteran.
Disability	String	If the person has disability.
Skills	Array	The list of skills the person possesses.
Technologies	Array	The list of technologies the person worked on.
contact_number	String	The contact number of the person

Tech_support

This collection has all the information about the numbers of technicians available to help the customers who need technical aid. It contains their personal information , their areas of expertise and their ratings.

```
{
  "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
  "first_name": "George",
  "last_name": "Mendes",
  "email": "gmendes@gmail.com",
```

```

    "expertise":["UI issues","Login issues"],
    "ratings" : "7"
  }

```

Name	Type	Description
_id	String	Unique id for each technician.
first_name	String	The first name of the technician.
last_name	String	The last name of the technician.
Email	String	The email id of the technician.
Expertise	Array	The list of areas of expertise of the technician.
Ratings	Integer	The ratings given to the technician out of 10.

Inventory_Management

This collection contains all the information to help manage the stocks of products for a small organization. It contains information about various products ,their count, threshold value,storage location and price.

```

{
  "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
  "product_name": "Paper",
  "quantity": "400",
  "threshold": "50",
  "storage_location": "Dunder Mifflin Warehouse",
  "price": "150"
}

```

Name	Type	Description
_id	String	Unique Id of the product.
product_name	string	The name of the product.
Quantity	Integer	The amount of product in stock.
Threshold	Integer	The threshold value after which stocks need to be refilled.
storage_location	String	The storage location of the product.
Price	Integer	The price of the product in \$.