Time Keeping Application

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Employees

The employees collection will store all employees including managers. It contains contact information, pay rate, employment and current working status, and authentication credentials.

```
{
"_id" : "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310" ,
"businessId": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6311" ,
"firstName" : "John" ,
"lastName" : "Doe" ,
"gender":"male",
"email" : "JDoe@gmail.com" ,
"address" : "125 18th Street" ,
"city" : "Hoboken" ,
"state" : "NJ" ,
"phoneNumber" : "000-000-0000" ,
"hourlyPay" : "20" ,
"currentStatus" : "checkIn" ,
"employmentStatus" : "active" ,
"timeEntries": [{ … }] ,
"startDate": "04/01/2022" ,
"isManager": false ,
"hashedPassword" : "$2a$08$XdvNkfdNIL8F"
}
```

Name	Type	Description
_id	string	Unique Employee ID
businessId	string	ID for the business

firstName	string	First name
lastName	string	Last name
gender	string	Gender
email	string	Email address
address	string	Home address
city	string	City
state	string	State
phoneNumber	string	Phone number
hourlyPay	Number	Employee's wage pay
currentStatus	string	Status of employee's latest time entry
employmentStatus	string	Indicator for whether employee is active
timeEntries	Sub-document	A subdocument that stores all the time entries for the employee
startDate	date	Date of first clock-in
isManager	boolean	Is employee a manager
hashedPassword	string	Encrypted password

Businesses

The businesses collection stores information about a company or organization. It lists all employees, managers, and provides a name, address, city, state, phone number and description of the organization.

{
"_id" : "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310" ,
"businessName": "My Shop",
"address": "189 18th Street",
"city" : "Hoboken" ,

"state" *:* *"NJ"* *,*
"phoneNumber" : "000-000-0000" ,
"about": "This shop sells clothes and has 100 employees",
"isOpen": true,
"managers" : ["7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
"7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6311"],
"employees" : ["7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6312",
"7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6313"]
}

Name	Type	Description
_id	string	Unique business ID
businessName	string	Company's name
address	string	Business location
city	string	Company's city
phoneNumber	string	Company's phone number
state	string	Company's state
about	string	Extra business information
isOpen	boolean	Is business open or closed
managers	string array	Array of employee IDs of managers
employees	string array	Array of employee IDs of employees

Time Entries

Time entries is a sub-document of the employee collection. It stores the clock-ins and clock-outs of an employee, as well as the status for the current entry (clock in, out, or lunch in/out) and an optional comment for the manager.

"timeEntries" : [{
"_id" : "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310" ,

"dateTime" : "2011-10-10T14:48:00" ,
"status": "checkOut",
"comment" : "Clocked out early today",
}]

Name	Type	Description
_id	string	Unique Time Entry ID
dateTime	string	String storing date/time of the entry
status	string	String denoting the type of entry (checkIn, checkOut, lunchIn, lunchOut)
comment	string	Optional comment for the manager