

# Password Keeper/Manager App - 1hr

## Statement for Candidates:

Below is the problem statement for your project.

1. Your task is to create an **API** that supports project requirements.
2. You have 1 hours to develop the API.
3. You are free to use google to find solutions, however, copying an existing project is not allowed.
4. At the end of the 1 hour time period, you will be given get 15 minutes to do your submission on Google Form & to push your project in a GitHub repository, submission form: <https://forms.gle/PqfNAakDWgz146BJ8>

## What is the project?

A web application that keeps a record of users' passwords. Users can log into the panel to see the username and passwords of websites they have saved.

## Requirements:

1. List of saved usernames and passwords for different websites:  
Provide ability for user to see list of previously stored website usernames & passwords.

```
[GET] /app/sites/list
```

```
Request Data: None
```

```
Response Data: [List of stored website username & passwords]
```

List returned should be belong to the `userId` passed with the request

2. Save a new username & password for website:  
Provide ability for user to add new username & password for a website.

```
[POST] /app/sites
```

```
Request Data: {  
  'website': str,  
  'username': str,  
  'password': str  
}
```

```
Response Data: {  
  'status': 'success'  
}
```

3. **Mandatory Requirement:** All the passwords stored in the database have to be **encrypted**.  
No one should be able to read the stored passwords without a secret key. The key can be stored in the code itself.

## Tech Stack:

1. Any web-server of your choice (Python Flask / Django, NodeJS Express / Koa, Java, etc)
2. Database: MySQL (Compulsory)