

**ABSTRACT:**

Developers frequently move into new teams or environments across software companies. Their onboarding experience is correlated with productivity, job satisfaction, and other short-term and long-term outcomes. This project entails creating a comprehensive onboarding portal for new developers, streamlining the integration process into the development team. The portal will include interactive modules covering technology stacks, coding standards, team workflows, and organizational culture. It aims to enhance efficiency, collaboration, and a smooth transition for new developers, fostering a positive and productive work environment.

**INTRODUCTION:**

Developer onboarding is the pivotal process through which new team members are introduced to the intricacies of a software development environment. This initiation goes beyond the basics, encompassing technology stacks, coding standards, collaborative workflows, and the cultural nuances that define the team. Efficient onboarding accelerates the integration of developers, fostering a collaborative atmosphere and ensuring a seamless transition into the dynamic world of software development. A good onboarding process will empower new employees and equip them with the knowledge and context they need to be successful at your company. A good onboarding process also has the power to improve employee retention, which enables smoother growth for your organization.

## MODULE DESCRIPTION:

The provided code defines a simple EmployeeManagementSystem class and an interactive script for managing employee information. Here's a breakdown of the functionalities:

1. **\*Class Overview:\***

- The EmployeeManagementSystem class initializes with an empty dictionary to store employee information.
- It includes methods to add, remove, get, and list employees.

2. **\*\*add\_employee Method:\*\***

- Adds a new employee to the system with provided details such as ID, name, position, department, contact number, address, skills, and whether the employee is a fresher or experienced.
- Checks for duplicate employee IDs and provides appropriate feedback.

3. **\*\*remove\_employee Method:\*\***

- Removes an employee based on the provided employee ID if the ID exists in the system.

4. **\*\*get\_employee Method:\*\***

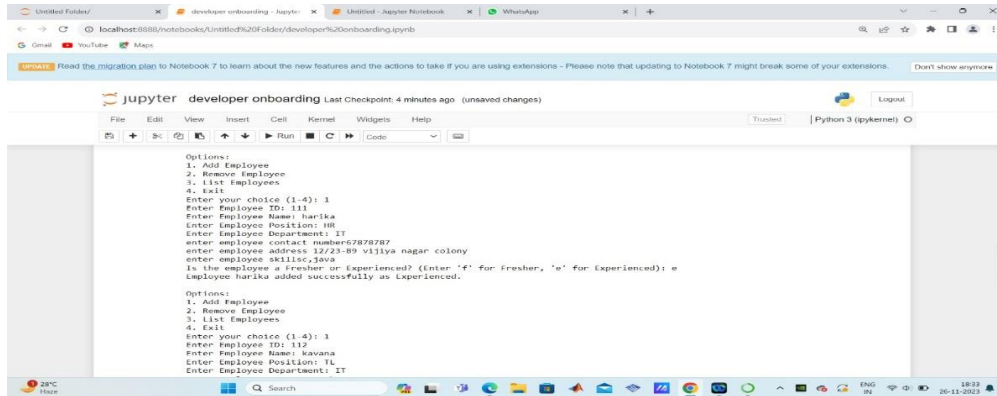
- Retrieves employee details based on the provided employee ID. If the ID doesn't exist, a default message is returned.

5. **\*\* list\_employees Method:\*\***

- Prints a formatted list of all employees, including their ID, name, position, department, contact number, address, skills, and whether they are a fresher or experienced.

**ALGORITHM:**

1. **\*Start\***
2. Initialize EmployeeManagementSystem object (employee\_system)
3. **\*While True:\***
  - Print options: Add Employee, Remove Employee, List Employees, Exit
  - **\*User Input:\***
    - If choice is '1':
      - Input employee details: ID, Name, Position, Department, Contact, Address, Skills, Type (Fresher/Experienced)
      - Call add\_employee method with input details
    - If choice is '2':
      - Input employee ID to remove
      - Call remove\_employee method with input ID
    - If choice is '3':
      - Call list\_employees method
    - If choice is '4':
      - Print exit message
    - **\*Break (End the loop)\***
    - If choice is invalid:
      - Print error message
4. **\*End\***

**RESULT :**

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**UPDATE** Read the migration plan to Notebook 7 to learn about the new features and the actions to take if you are using extensions - Please note that updating to Notebook 7 might break some of your extensions. [Don't show anymore](#)

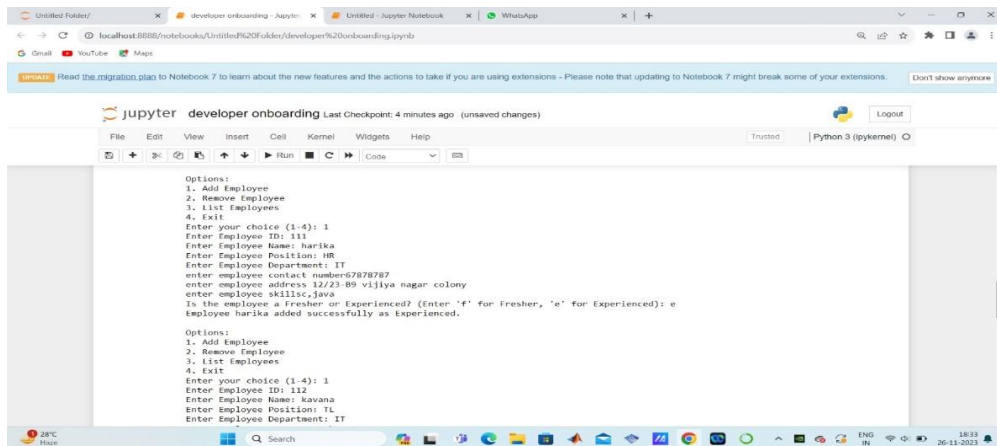
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File Edit View Insert Cell Kernel Widgets Help Trusted Python 3 (pykernel)

```
Options:
1. Add Employee
2. Remove Employee
3. List Employees
4. Exit
Enter your choice (1-4): 1
Enter Employee ID: 111
Enter Employee Name: harika
Enter Employee Position: HR
Enter Employee Department: IT
enter employee contact number:67878787
enter employee address 12/23-89 vijliya nagar colony
enter employee skills:java
Is the employee a Fresher or Experienced? (Enter 'f' for Fresher, 'e' for Experienced): e
Employee harika added successfully as Experienced.

Options:
1. Add Employee
2. Remove Employee
3. List Employees
4. Exit
Enter your choice (1-4): 1
Enter Employee ID: 112
Enter Employee Name: kavana
Enter Employee Position: TL
Enter Employee Department: IT
```

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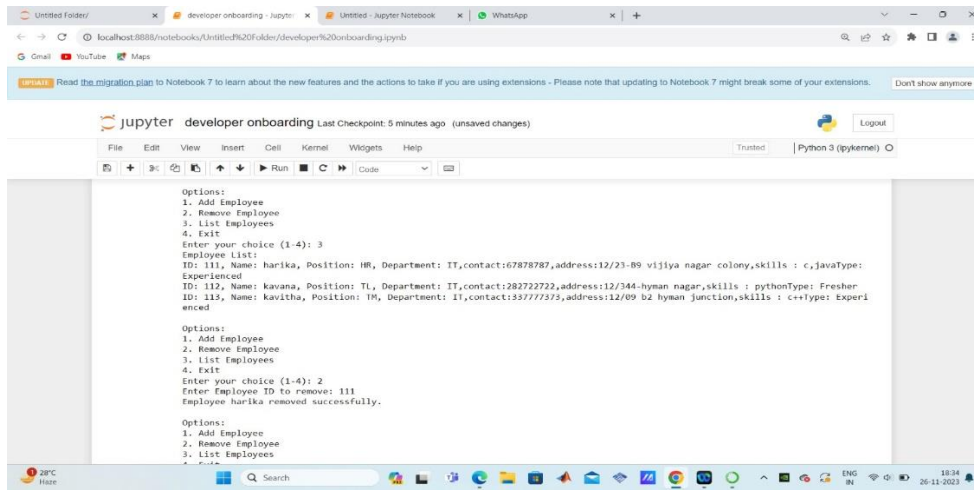
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Options:
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2. Remove Employee
3. List Employees
4. Exit
Enter your choice (1-4): 1
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Enter Employee Position: HR
Enter Employee Department: IT
enter employee contact number:67878787
enter employee address 12/23-89 vijliya nagar colony
enter employee skills:java
Is the employee a Fresher or Experienced? (Enter 'f' for Fresher, 'e' for Experienced): e
Employee harika added successfully as Experienced.

Options:
1. Add Employee
2. Remove Employee
3. List Employees
4. Exit
Enter your choice (1-4): 1
Enter Employee ID: 112
Enter Employee Name: kavana
Enter Employee Position: TL
Enter Employee Department: IT
```

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```
Options:
1. Add Employee
2. Remove Employee
3. List Employees
4. Exit
Enter your choice (1-4): 3
Employee List:
ID: 111, Name: harika, Position: HR, Department: IT,contact:67878787,address:12/23-B9 vijaya nagar colony,skills : c,javaType: Experienced
ID: 112, Name: kavana, Position: TL, Department: IT,contact:282722722,address:12/344-hyman nagar,skills : pythonType: Fresher
ID: 113, Name: kavitha, Position: TM, Department: IT,contact:337777775,address:12/09 b2 hyman junction,skills : c++Type: Experienced

Options:
1. Add Employee
2. Remove Employee
3. List Employees
4. Exit
Enter your choice (1-4): 2
Enter Employee ID to remove: 111
Employee harika removed successfully.

Options:
1. Add Employee
2. Remove Employee
3. List Employees
4. Exit
```

**CONCLUSION:**

The Developer Onboarding Portal stands as a transformative asset in our commitment to fostering a dynamic and collaborative software development environment. The portal has proven its efficacy in reducing onboarding timelines, enhancing understanding of critical technologies, and cultivating a sense of community among team members. The positive feedback underscores the portal's role as a catalyst for streamlined collaboration, with real-time communication tools significantly improving cross-functional engagement. While celebrating these achievements, ongoing attention to user feedback remains paramount. The commitment to regular updates and continuous improvement ensures the portal's relevance amidst the ever-evolving landscape of software development. As we move forward, the Developer Onboarding Portal not only symbolizes a comprehensive initiation into our development ecosystem but also represents our dedication to adaptability, knowledge sharing, and the perpetual pursuit of excellence. This portal stands as a testament to our commitment to empowering every developer to thrive within our collaborative and innovative community.

**Reference:**

1. <https://github.com/Pragma/onboarding-as-code>
2. <https://www.yourteaminindia.com/blog/steps-for-onboarding-remote-software-developers>