

Diagram Design on

“Garments Employee Management System”



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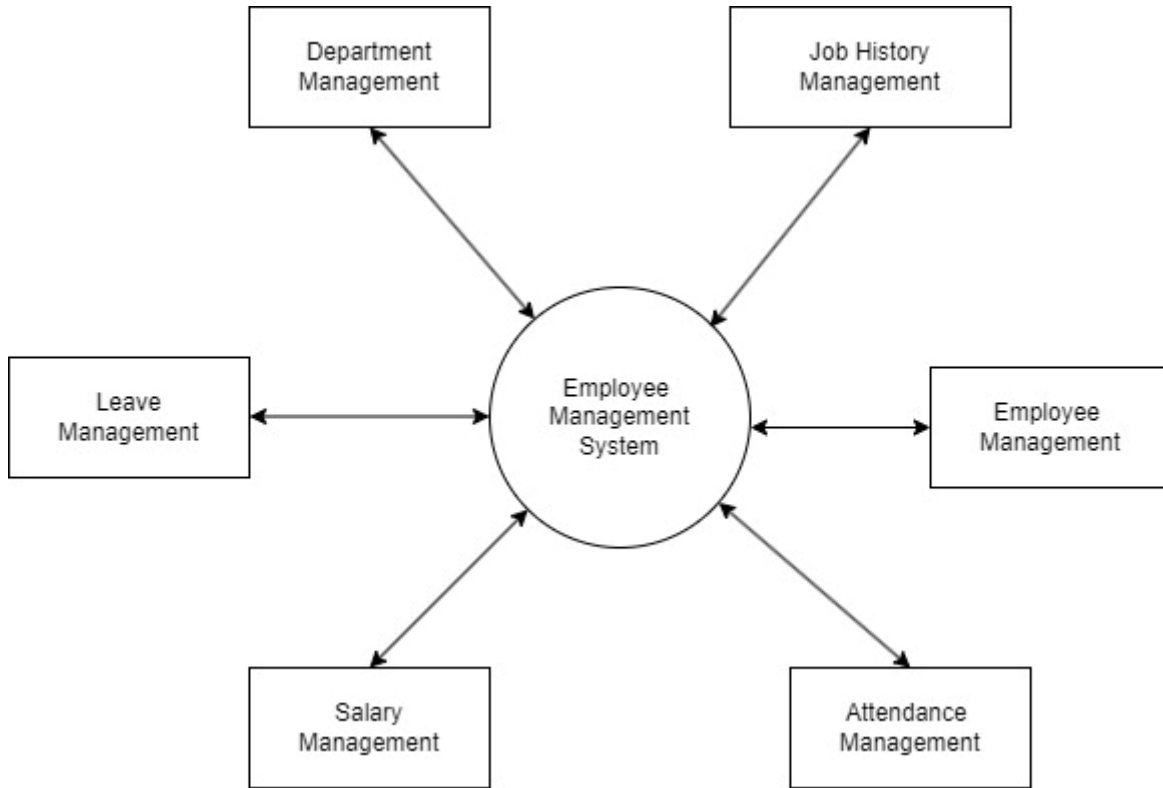
Date: 18.07.2023

Ahsanullah University Of Science & Technology

Department of Computer Science and Engineering

Data Flow Diagram:

Zero Level Data Flow Diagram



Zero Level Data Flow Diagram

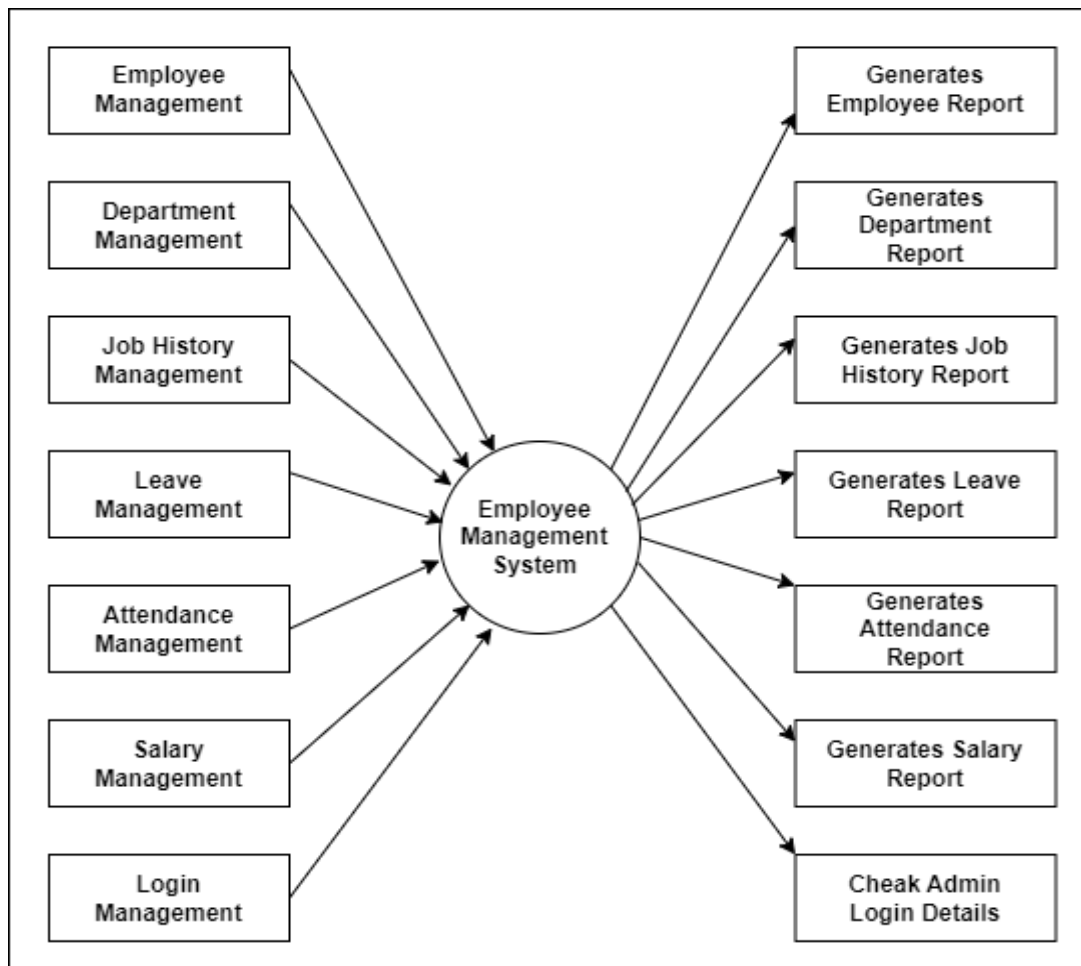
Description of Zero Level Data Flow Diagram:

The high level process of this project has been elaborated in this scope.

High Level Entities and process flow of Employee Management System:

- Managing all the Employee
- Managing all the Department
- Managing all the Job history
- Managing all the Leave
- Managing all the Attendance
- Managing all the Salary

First Level Data Flow Diagram



First Level Data Flow Diagram

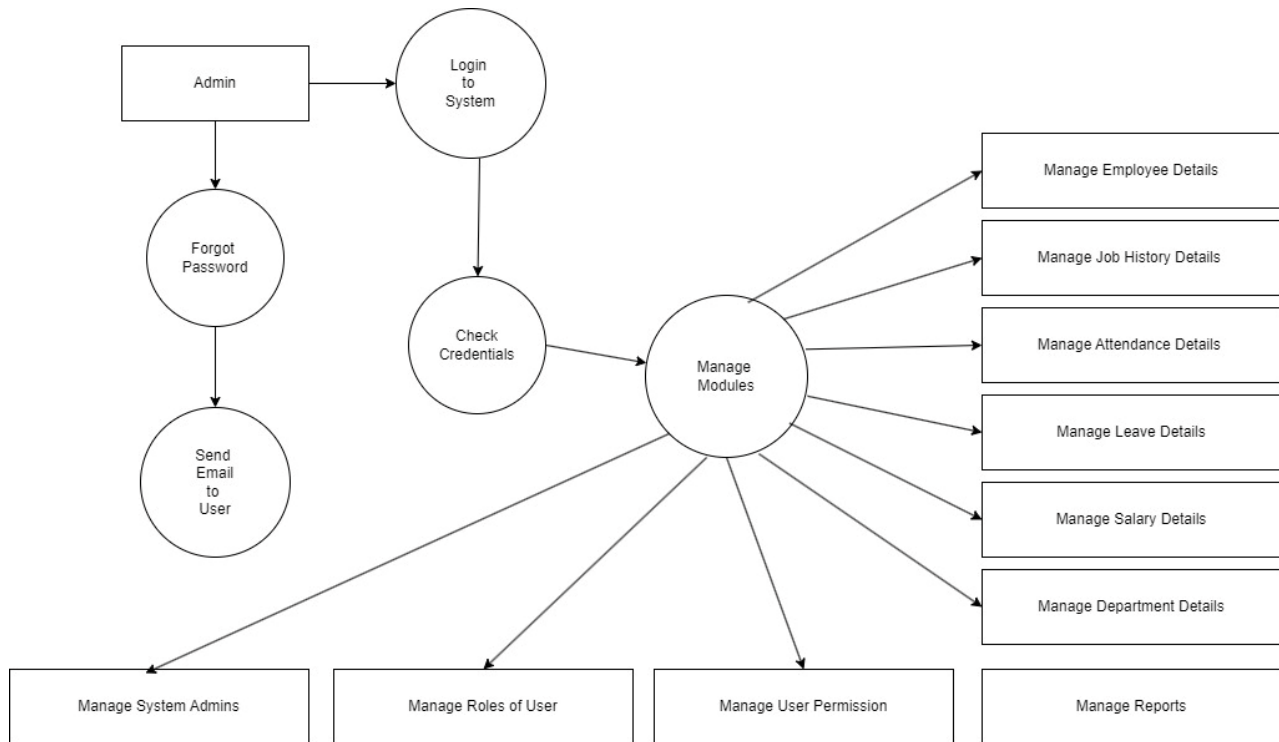
Description of First Level Data Flow Diagram:

First Level DFD of this project shows the system is divided into sub-systems, each of which deals with one or more of the data flows to or from an external agent, and which together provide all of the functionality of the Employee Management System as a whole.

Main Entities and output of First Level of DFD:

- Processing Employee records and generate report of all Employee
- Processing Department records and generate report of all Department
- Processing Job History records and generate report of everyone's Job History
- Processing Leave records and generate report of everyone's Leave
- Processing Attendance records and generate report of everyone's Attendance
- Processing Salary records and generate report of everyone's Salary

Second Level Data Flow Diagram



Second Level Data Flow Diagram

Description of First Level Data Flow Diagram:

DFD level 2 then goes one step deeper into parts of level one of Employee Management. It may require more functionalities of Employee Management to reach the necessary level of detail about the Employee Management functioning.

Main Entities and output of First Level of DFD:

- Admin logs in to the system and manage all the functionalities of Employee Management System
- Admin can manage (insert or update and view) the record of Employee, Department, Job History, Leave, Attendance, Salary
- Admin can also generate reports of Employee, Department, Job History, Leave, Attendance, Salary
- Admin can also search the details of Employee, Department, Job History, Leave, Attendance, Salary
- Admin can apply different level of filters on report of Employee, Leave, Attendance, Salary
- Admin can tracks the detailed information of Employee, Department, Job History, Leave, Attendance, Salary

Sequence diagram:

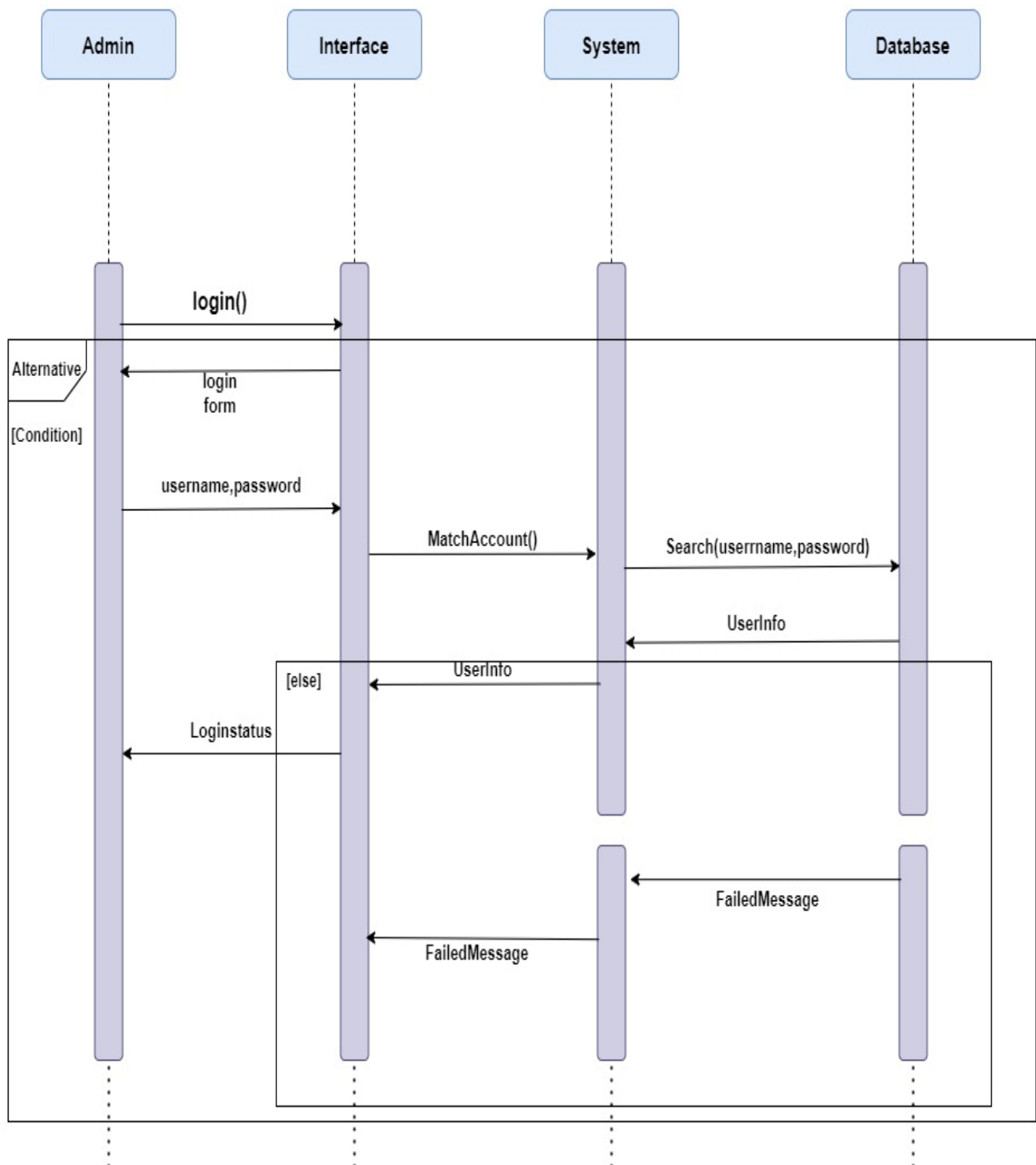


Fig 1

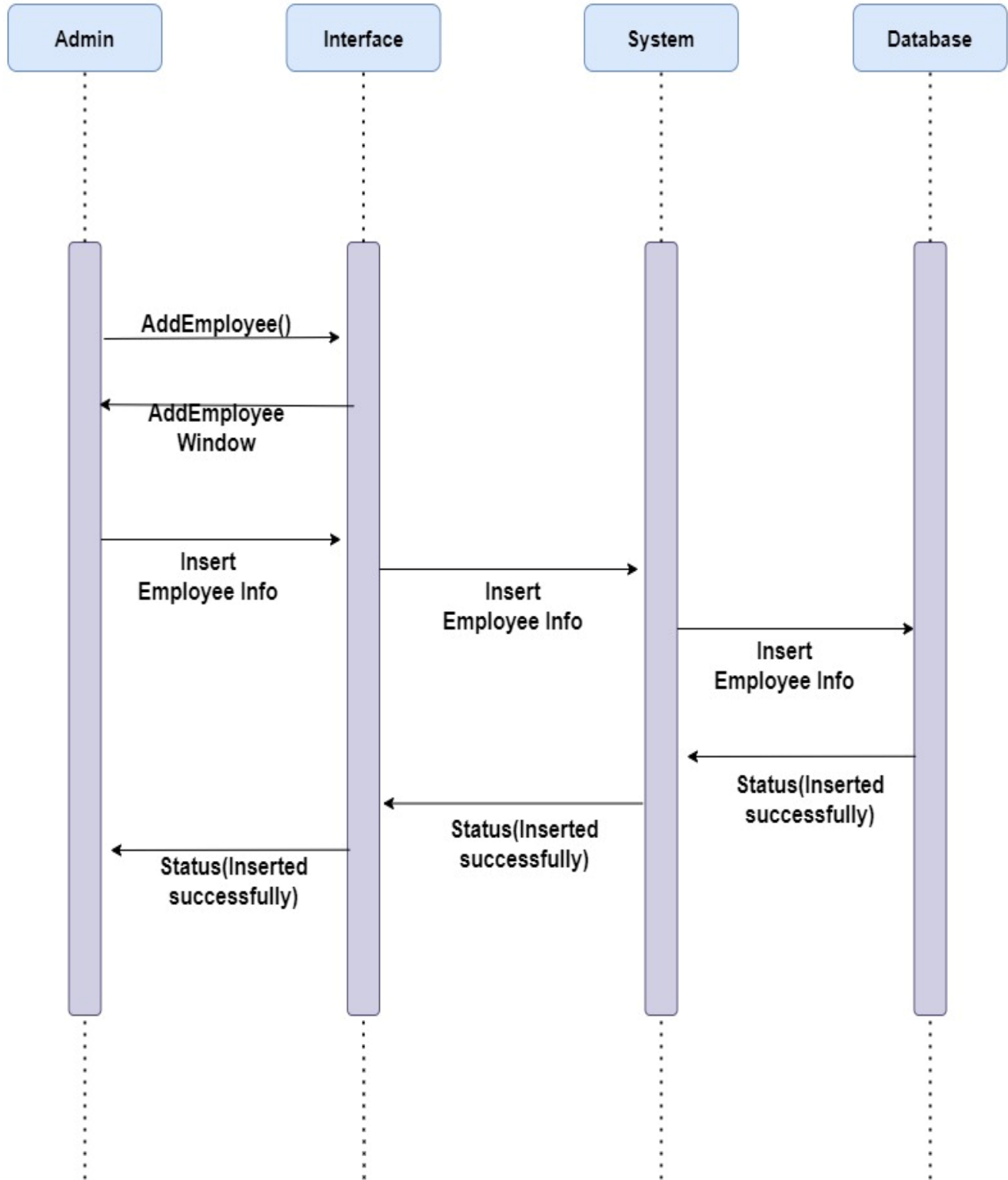


Fig 2

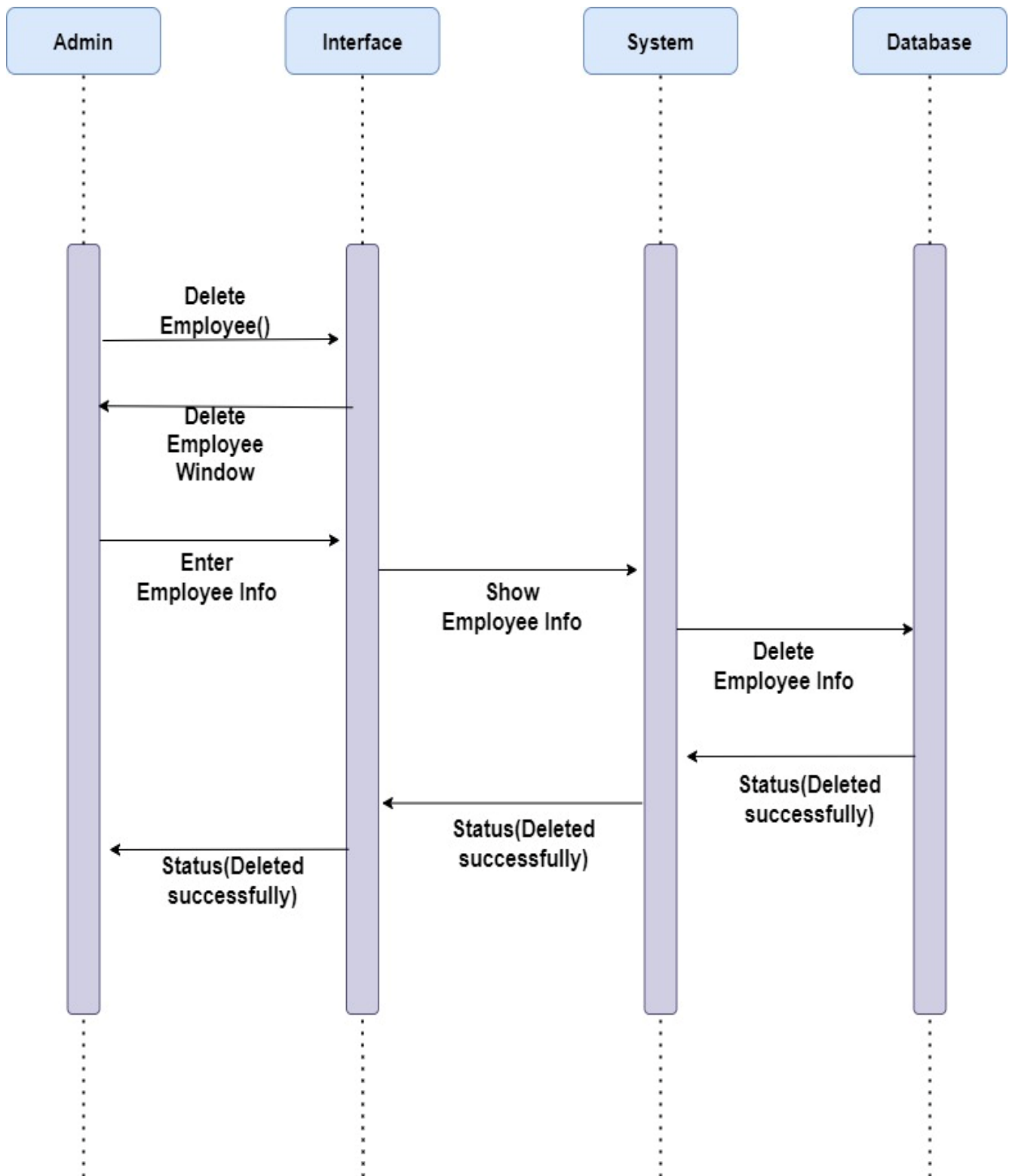


Fig 3

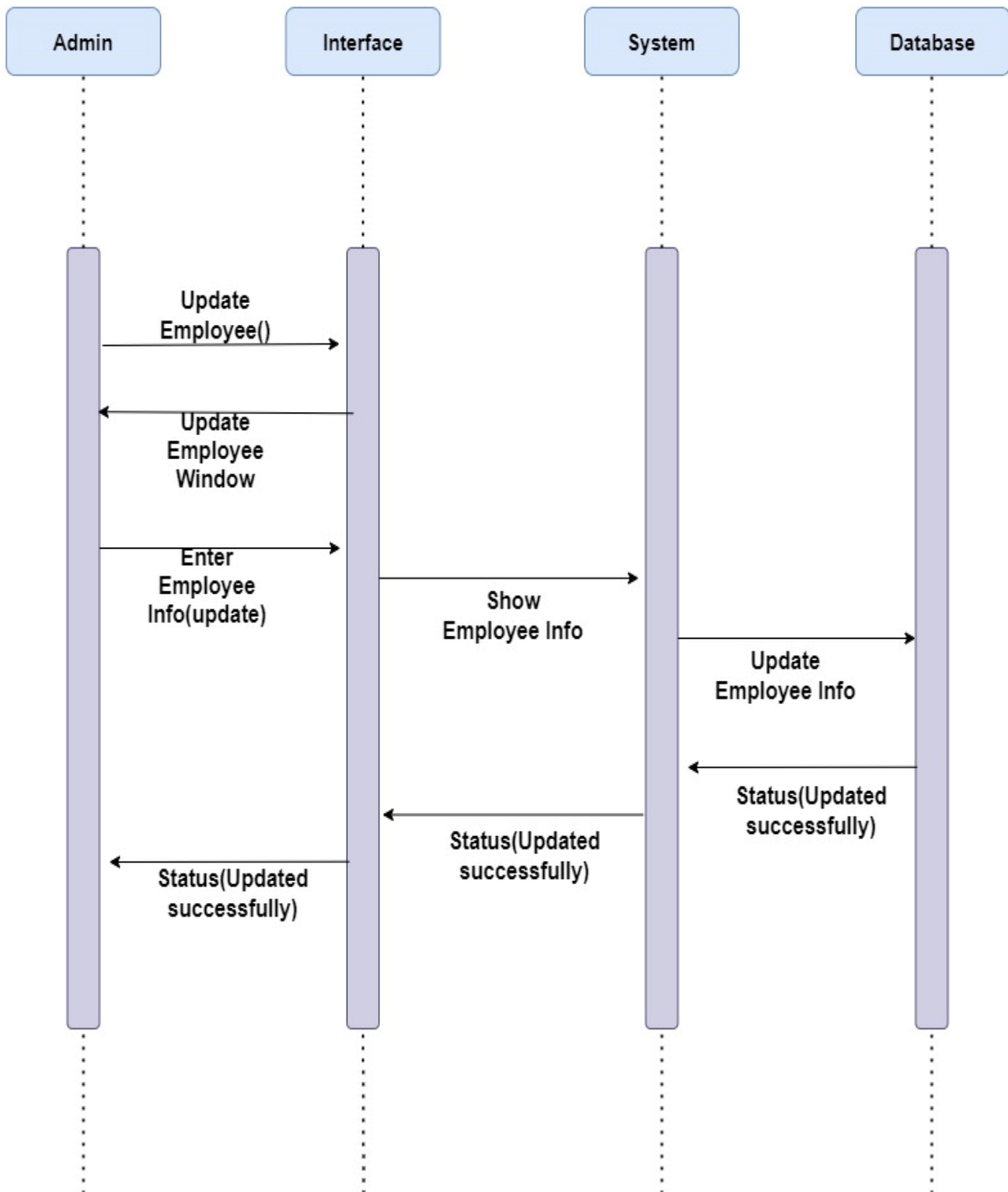


Fig 4

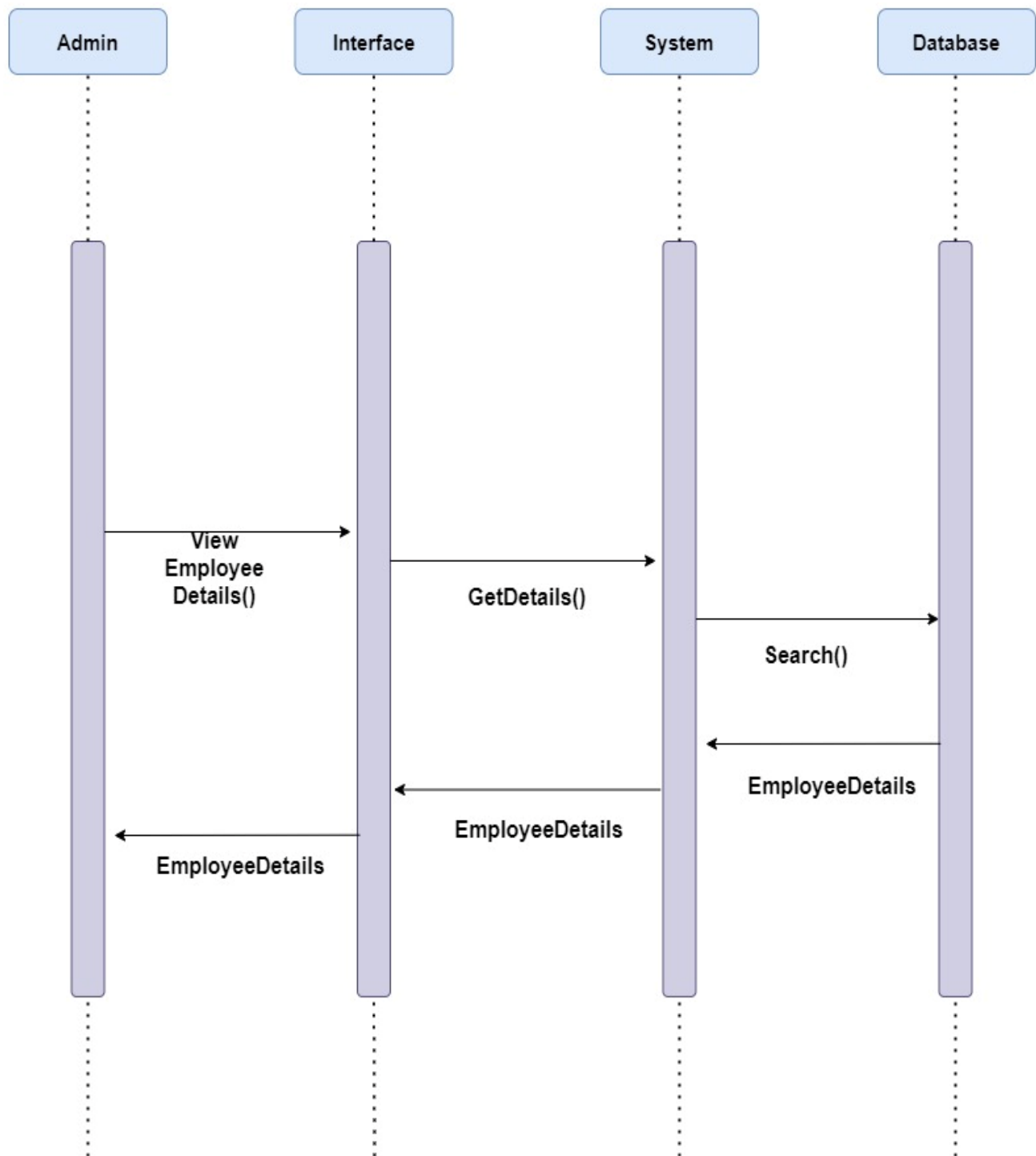


Fig 5

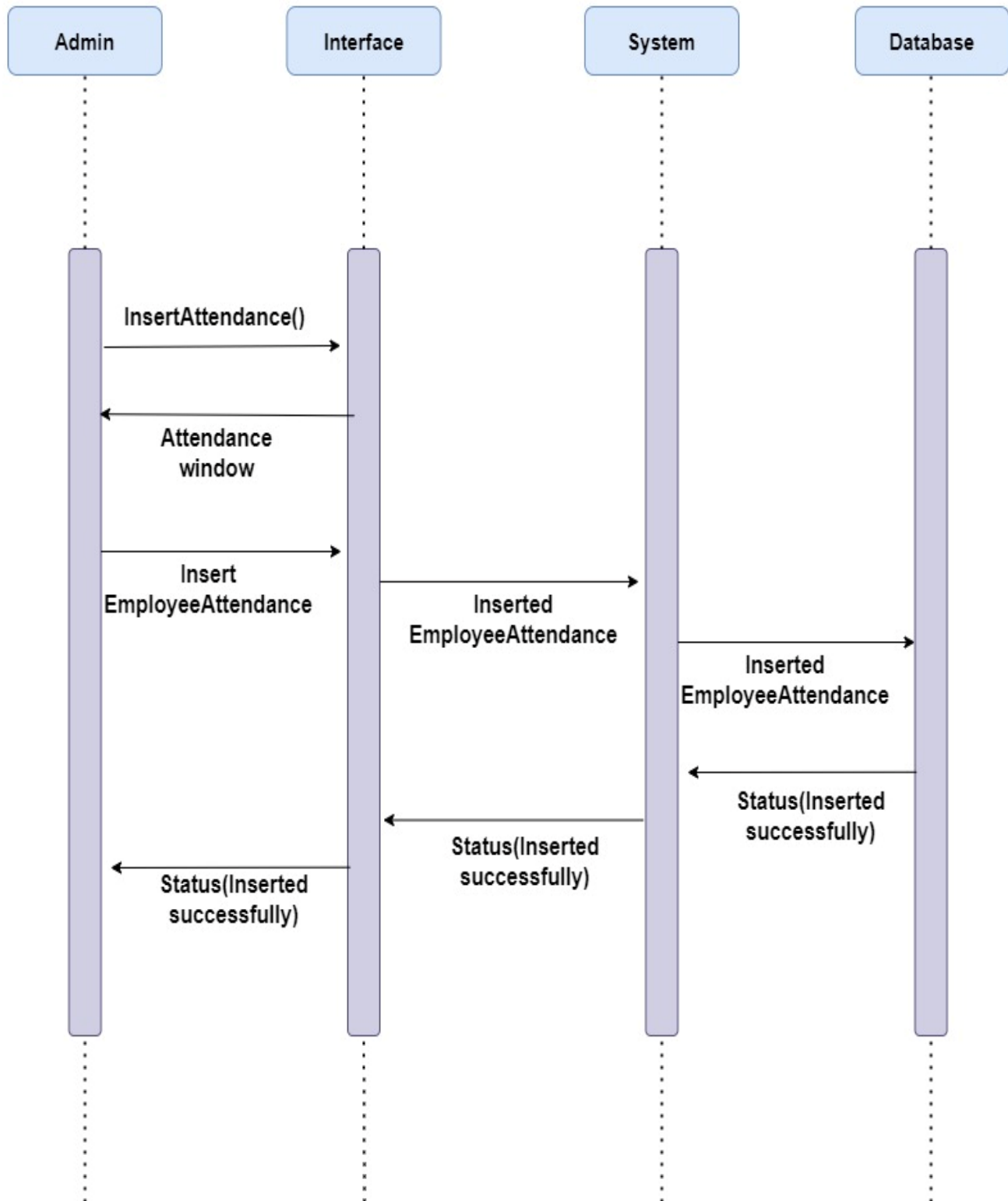


Fig 6

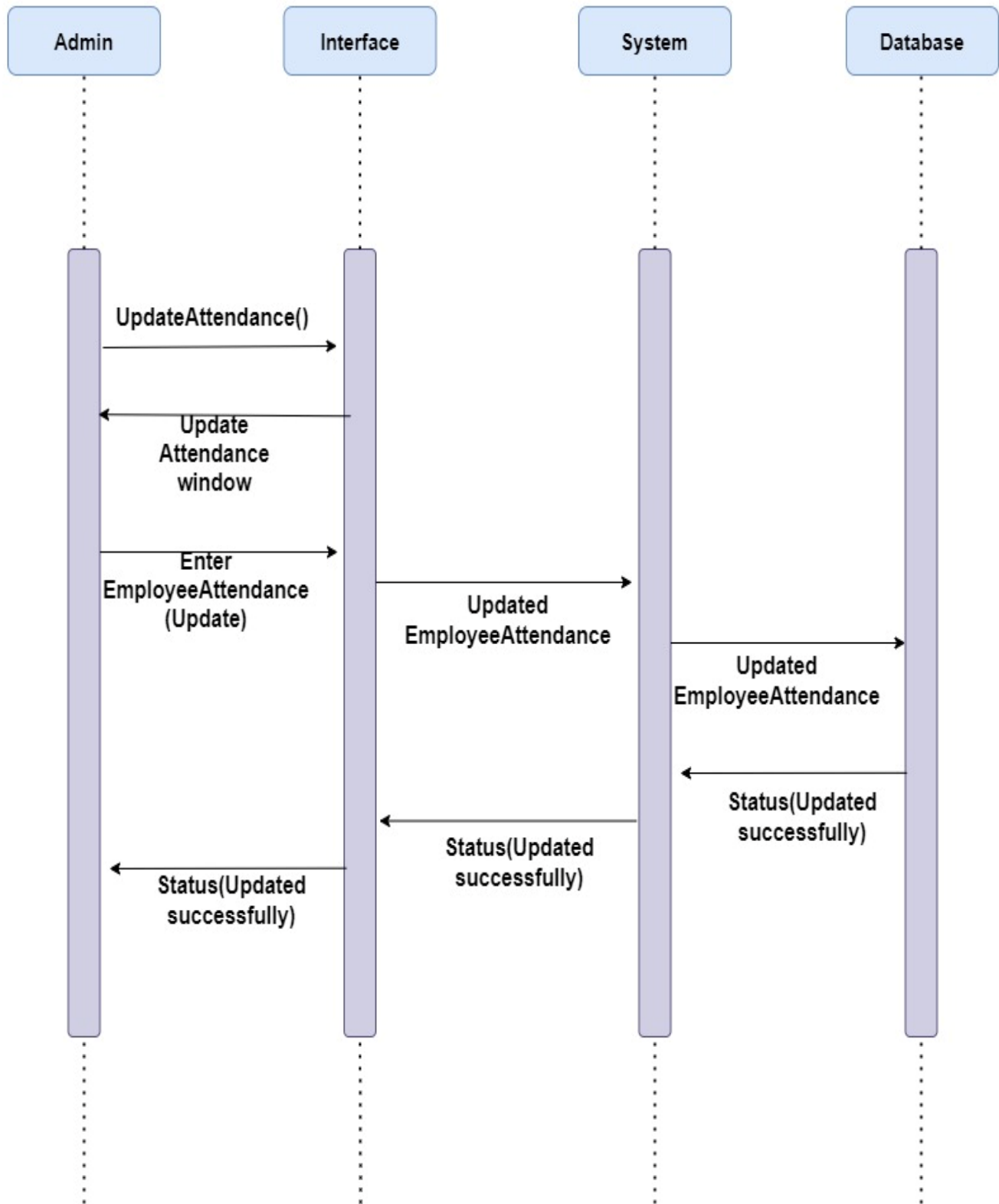


Fig 7

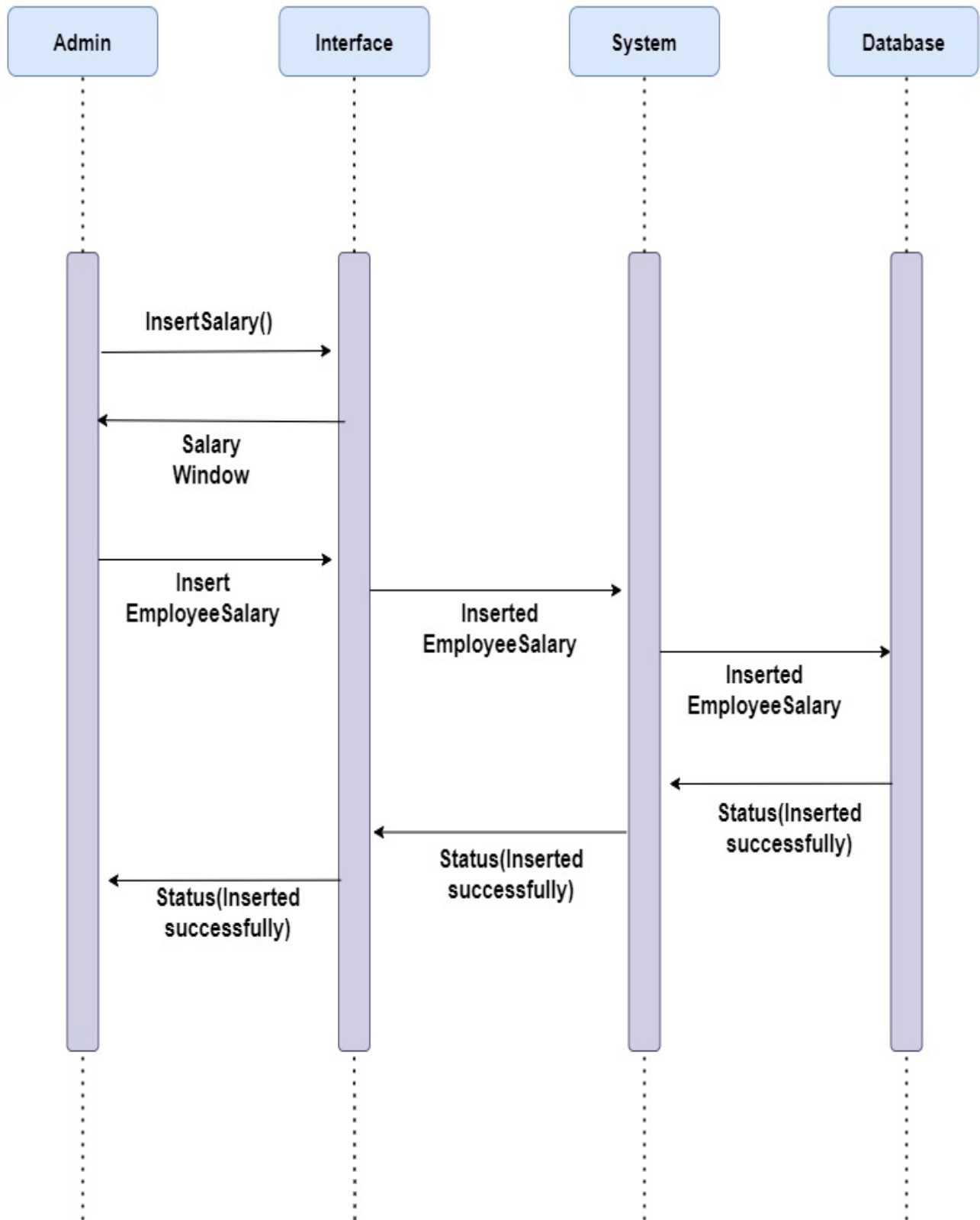


Fig 8

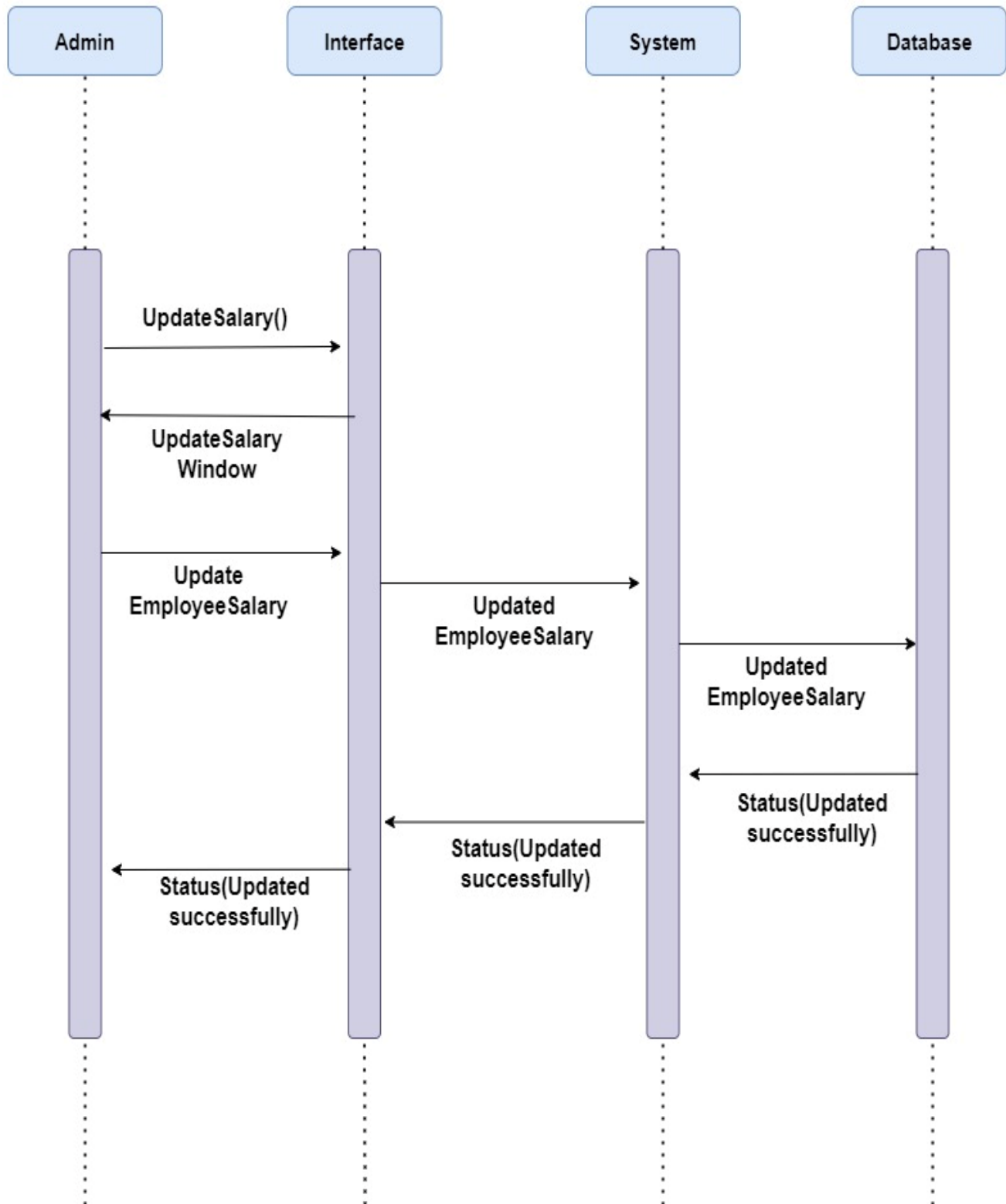


Fig 9

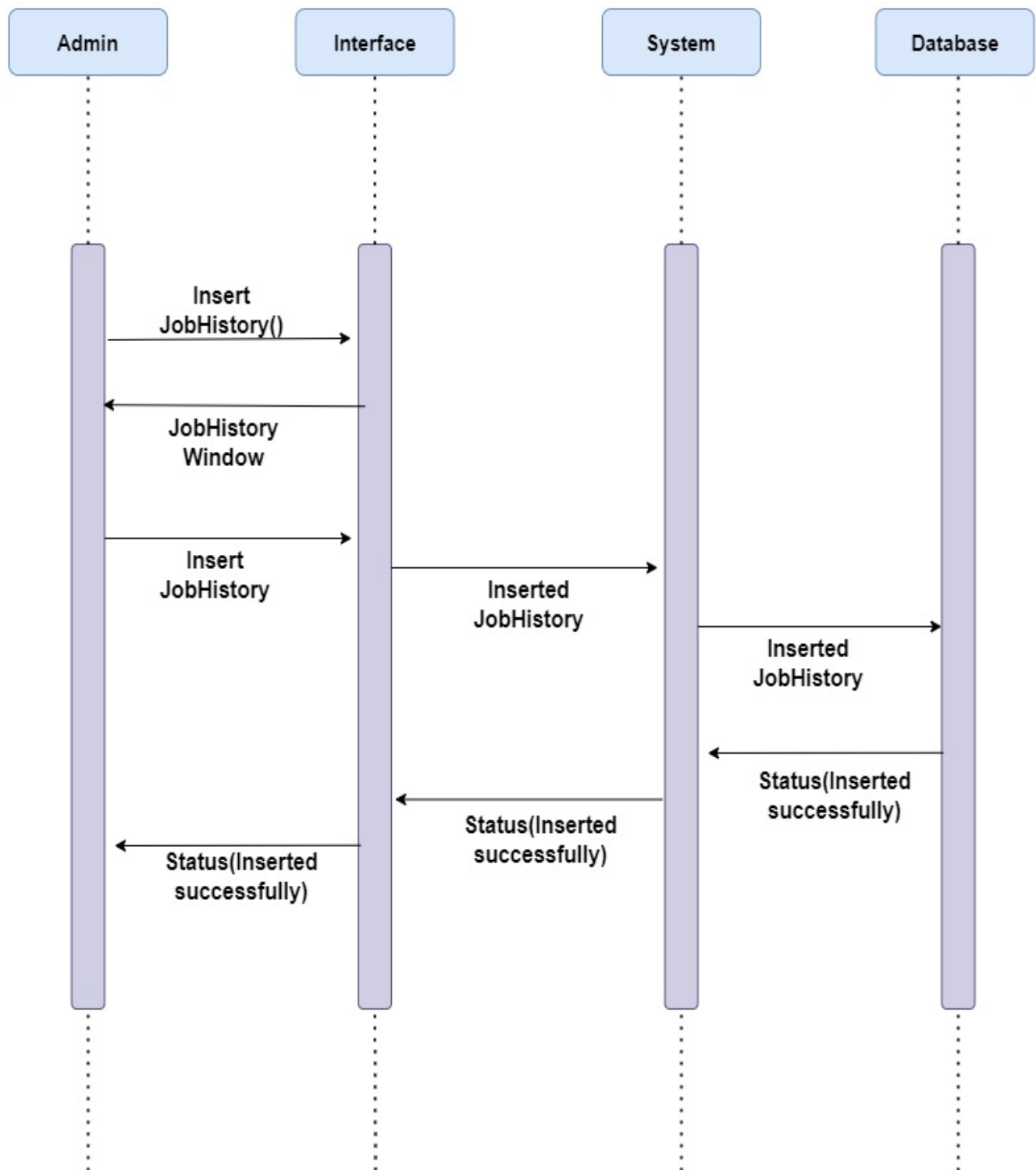


Fig 10

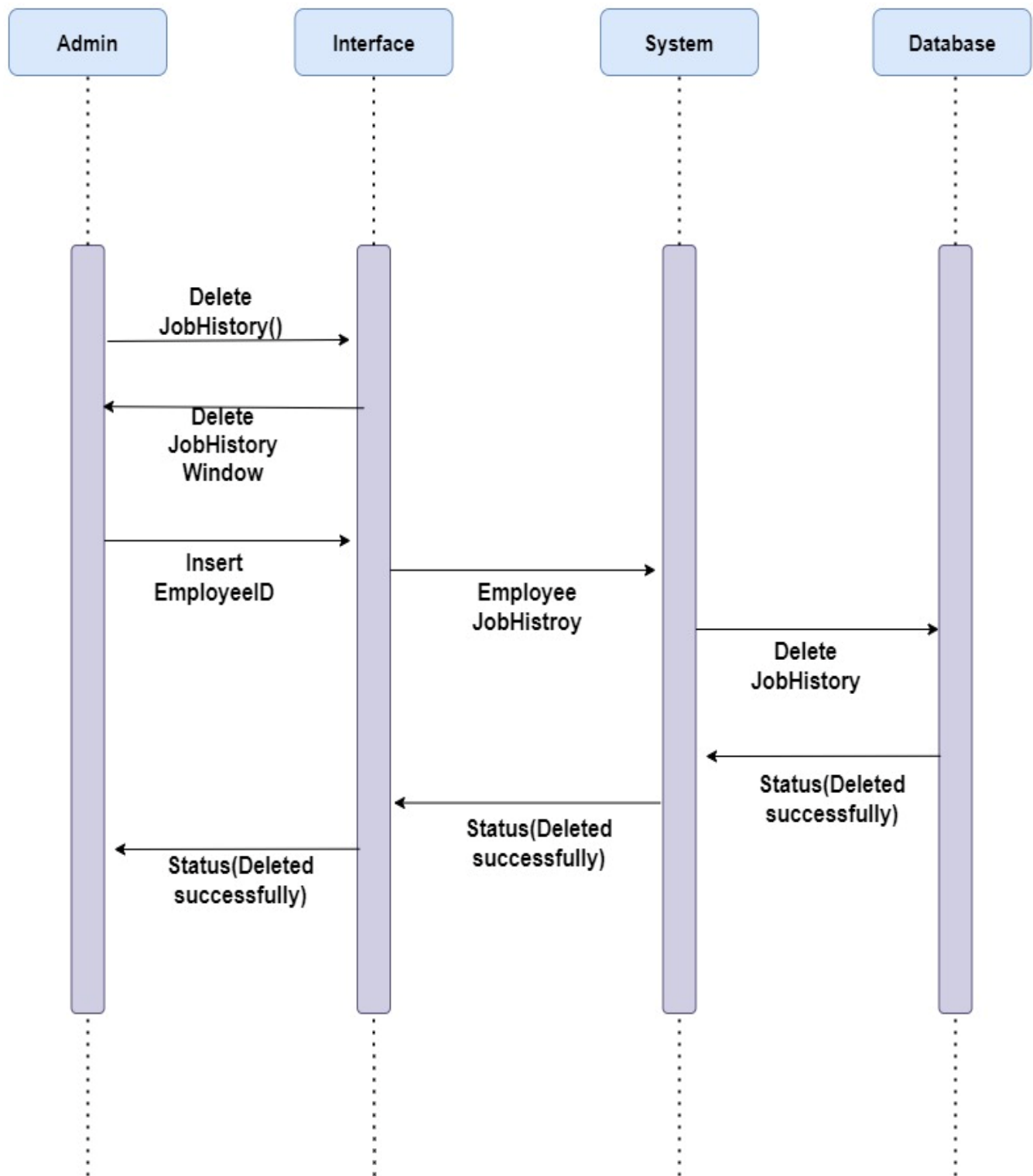


Fig 11

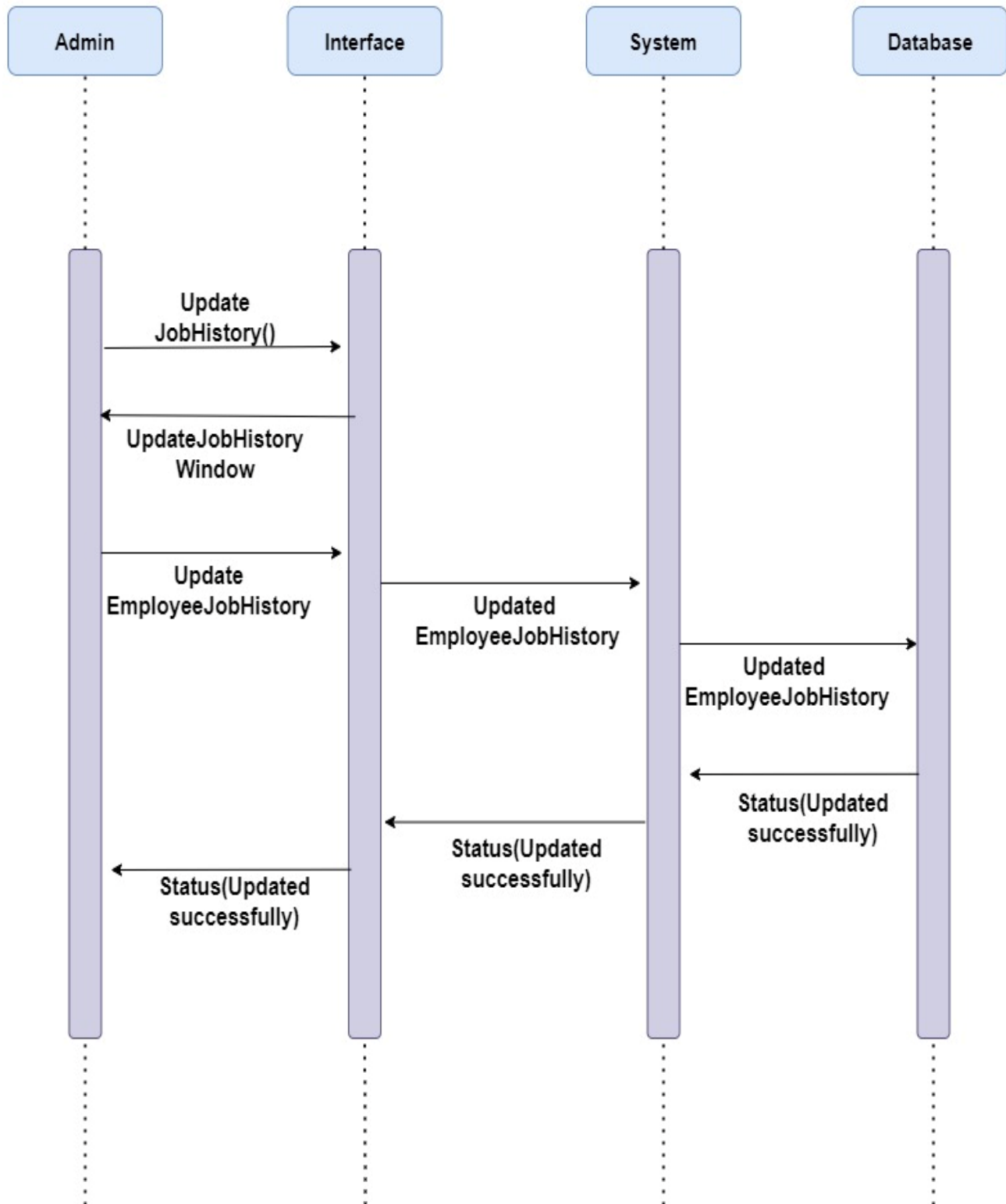


Fig 12

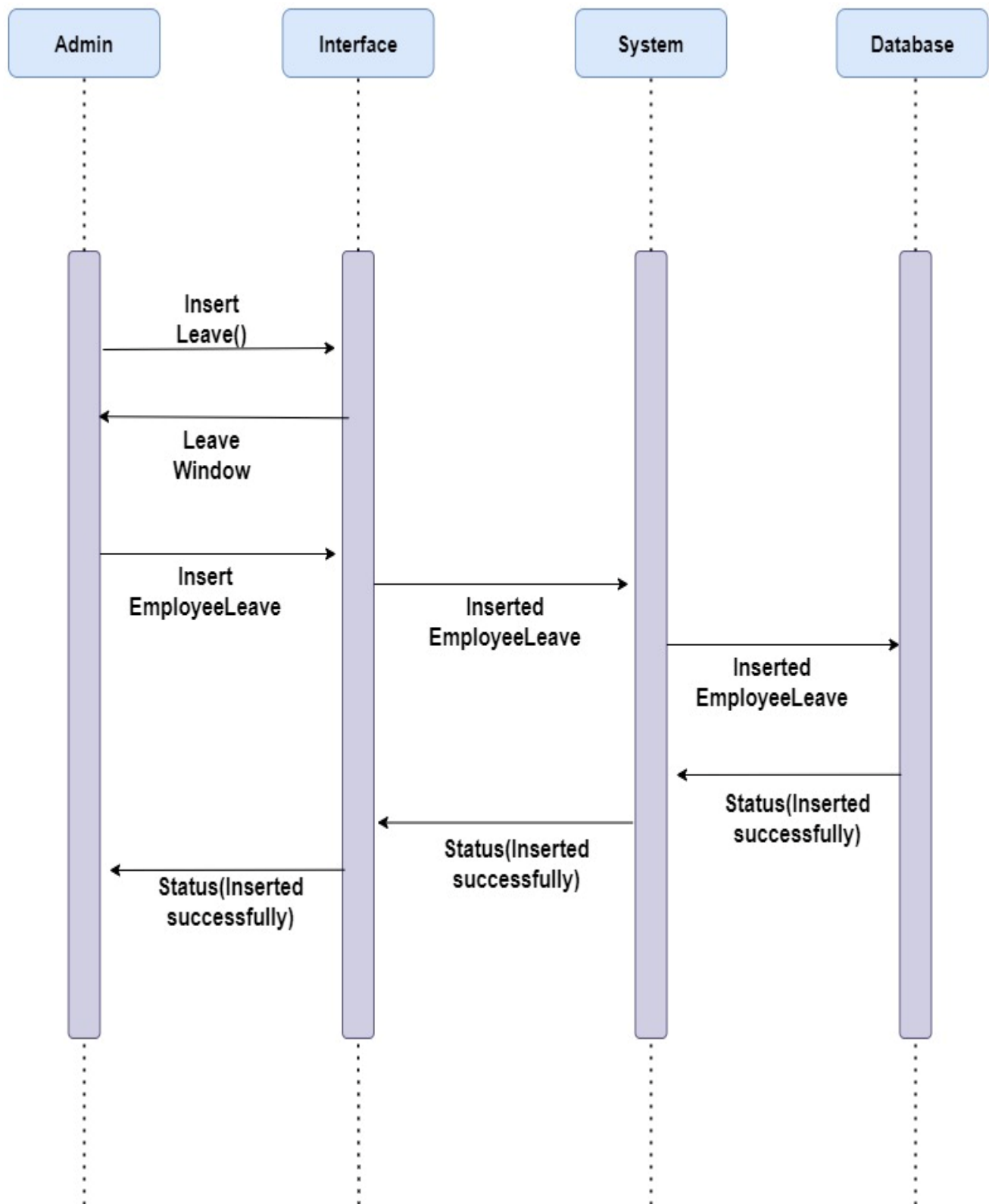


Fig 13

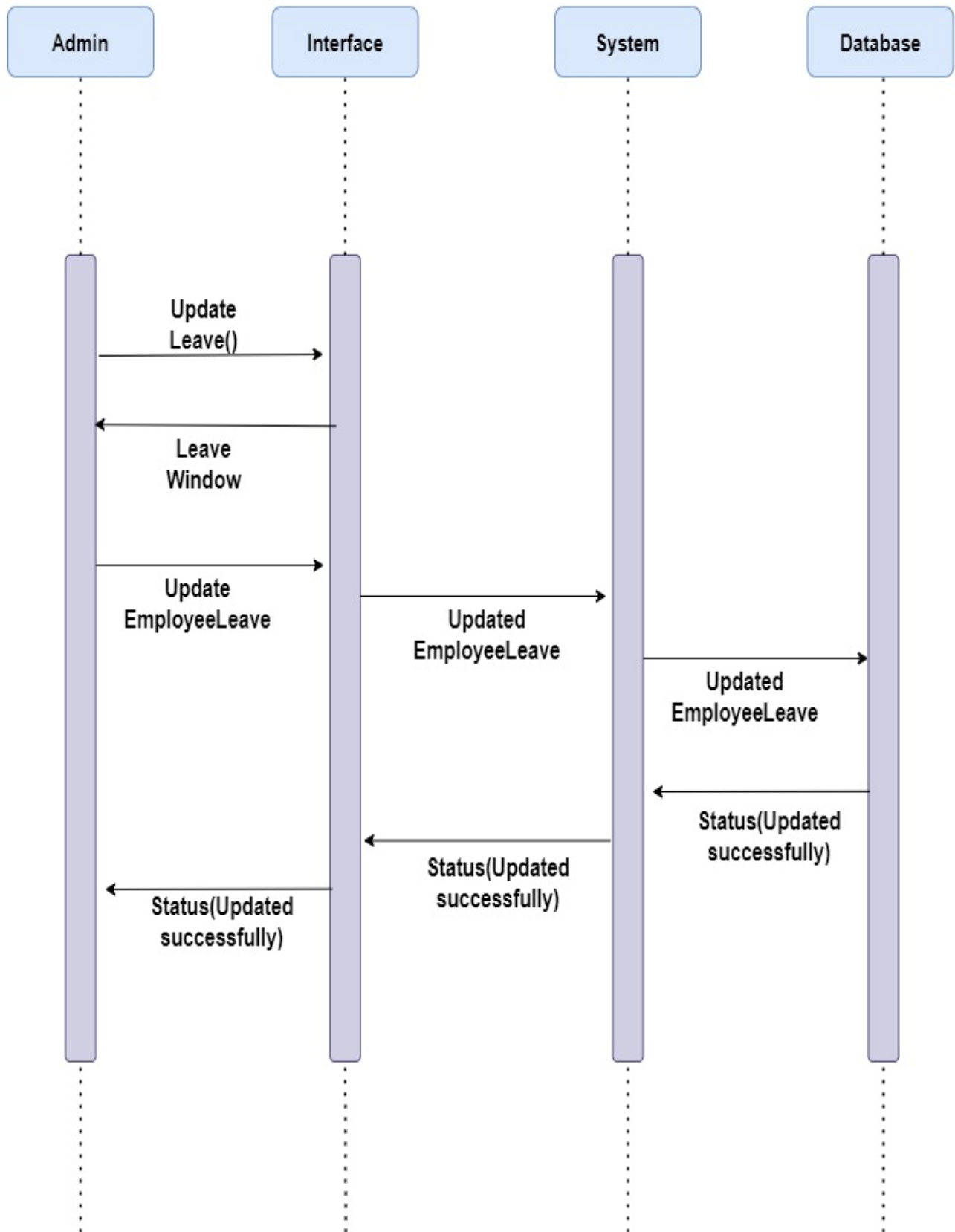


Fig 14

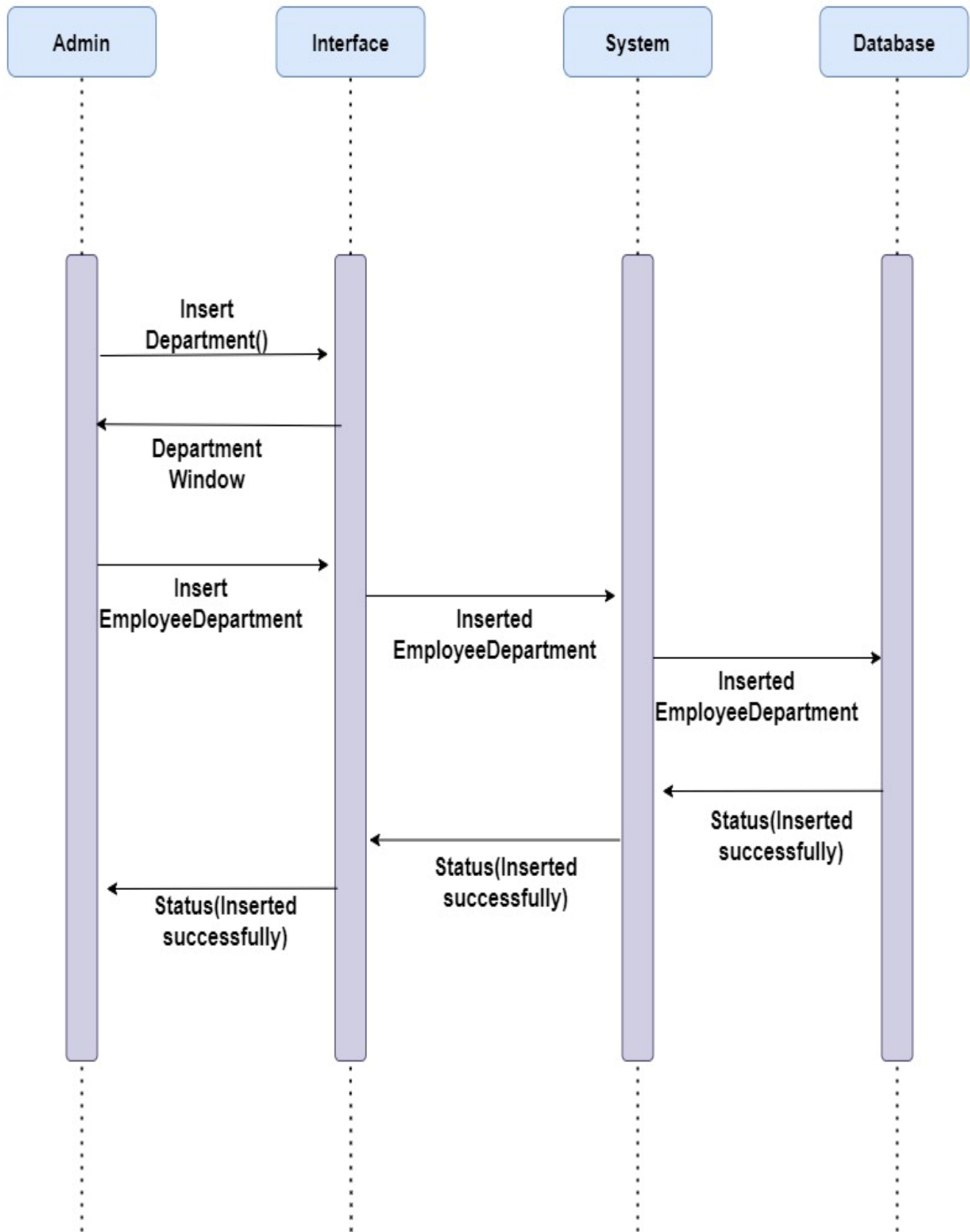


Fig 15

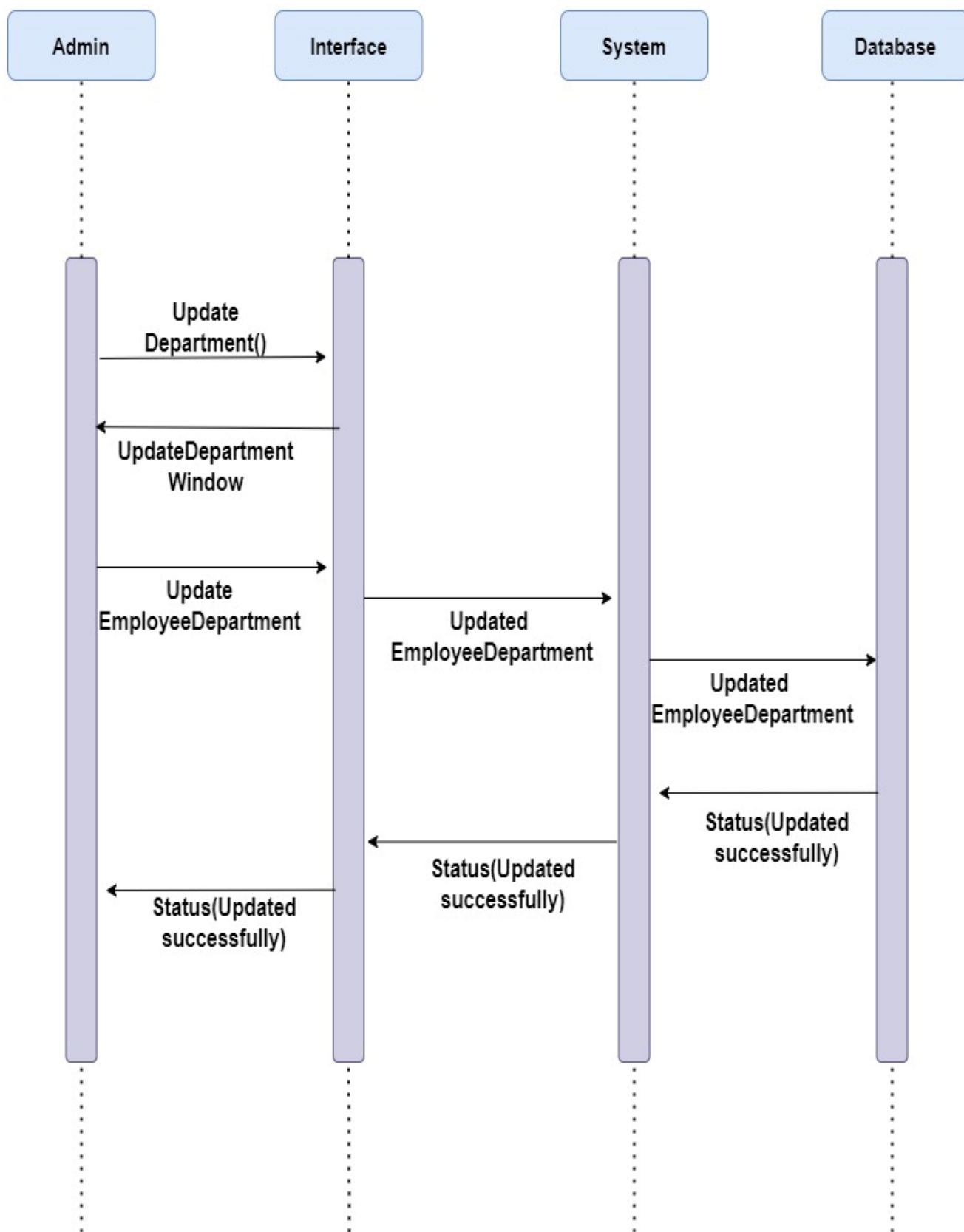


Fig 16