

# Software Design Document

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**Submitted by**

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# High Level Design

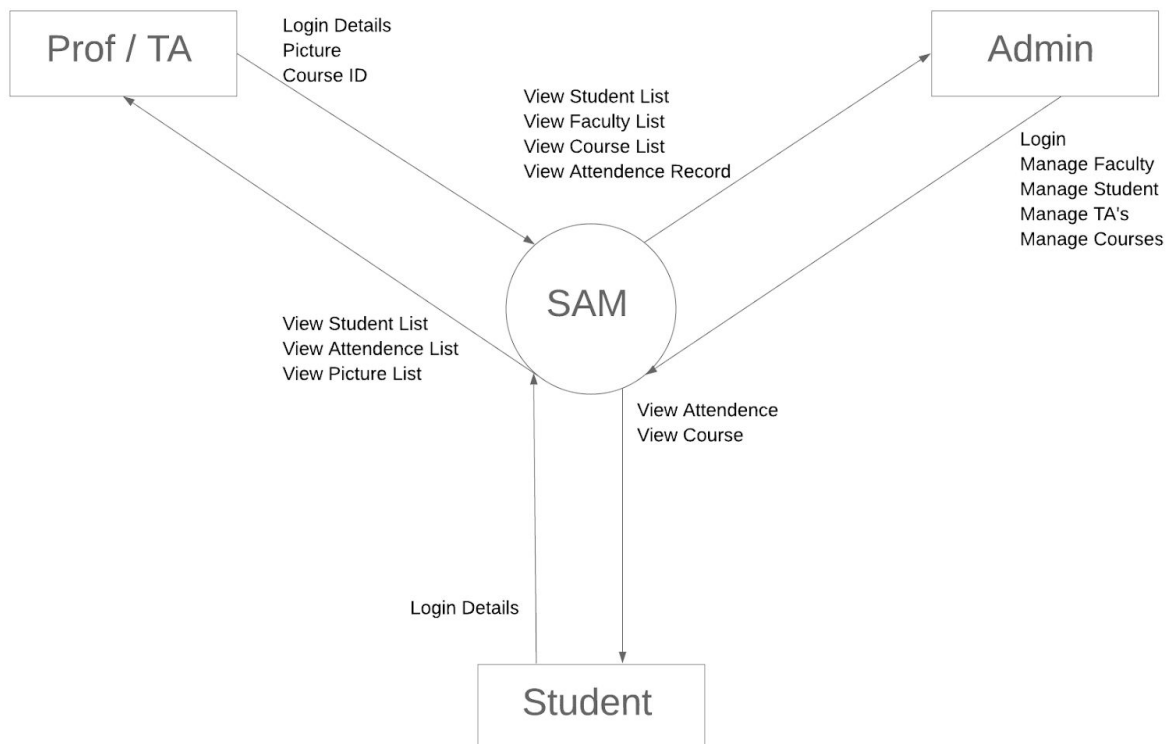
The project has been divided into a lot of modules that are loosely coupled with each other. We can add the functionalities if we want. For example there will be separate modules which will consist of

1. Student Detail
2. Faculty Detail
3. Course Detail
4. Manage Course
5. Take attendance
6. Registration Record

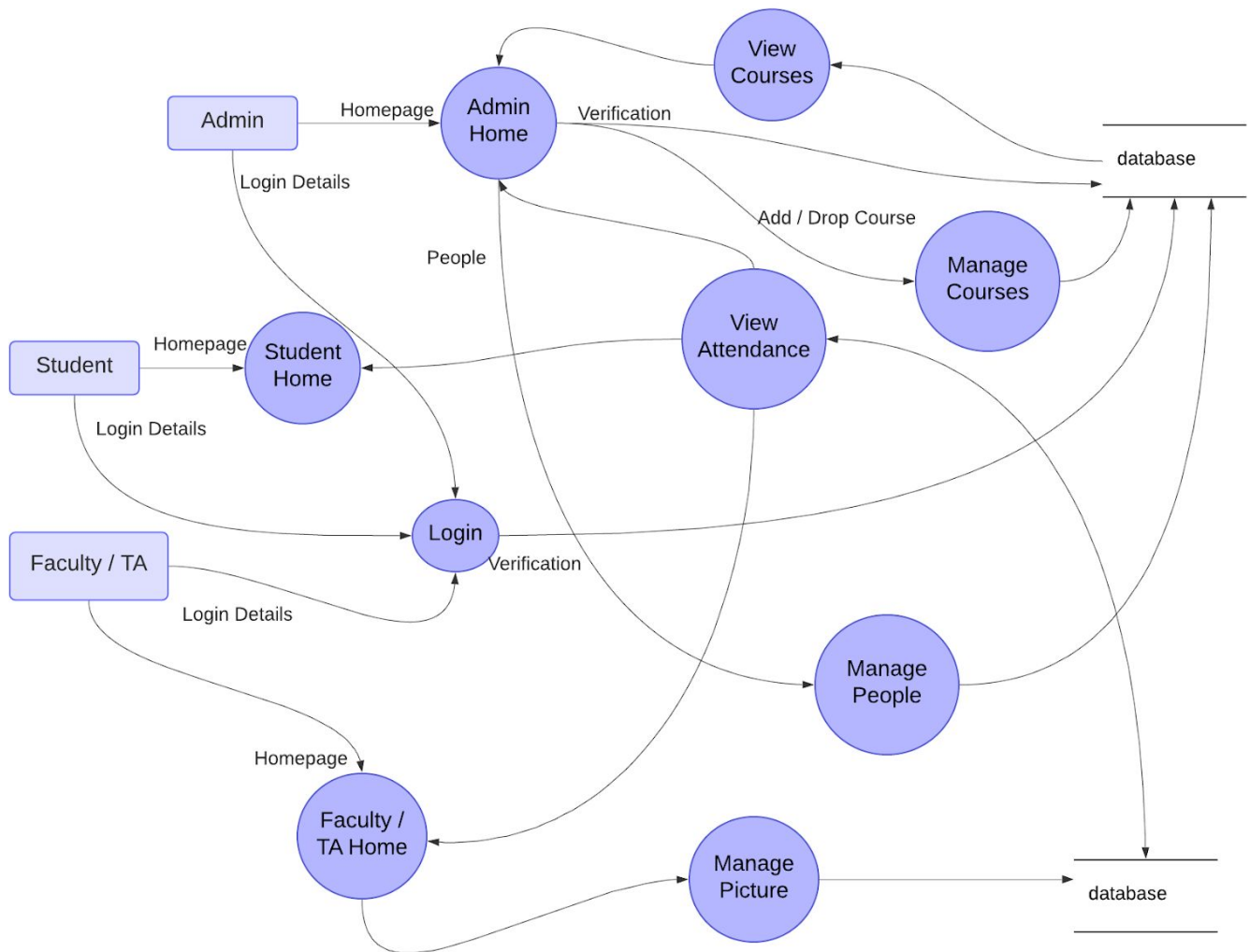
We have taken this approach so as to keep the various components of the project fairly independent to each other so that even if we need to make changes in some part of the project, we can easily do that by making changes in that particular module only and not the other independent components. Even if we need to add some new functionalities, we can do that easily in our modular approach. In this way we have kept the software open for expansion and not limit it to match our project description exactly.

Further, the admin should be able to open the web application on any device of his preference be it pc, mobile or tablet. So, we are taking special care for the UI to be accessible on different screen sizes. Similarly, the mobile app would be compatible with different screen sizes of android phone.

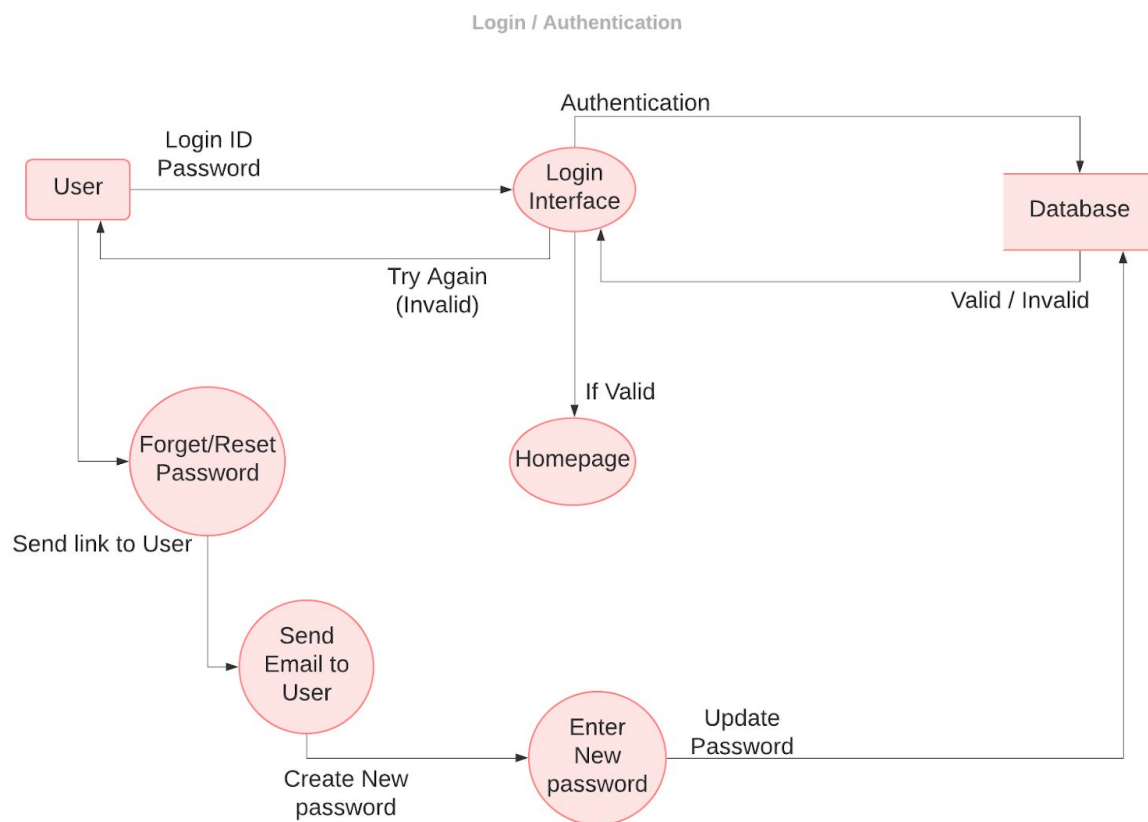
# Context Diagram



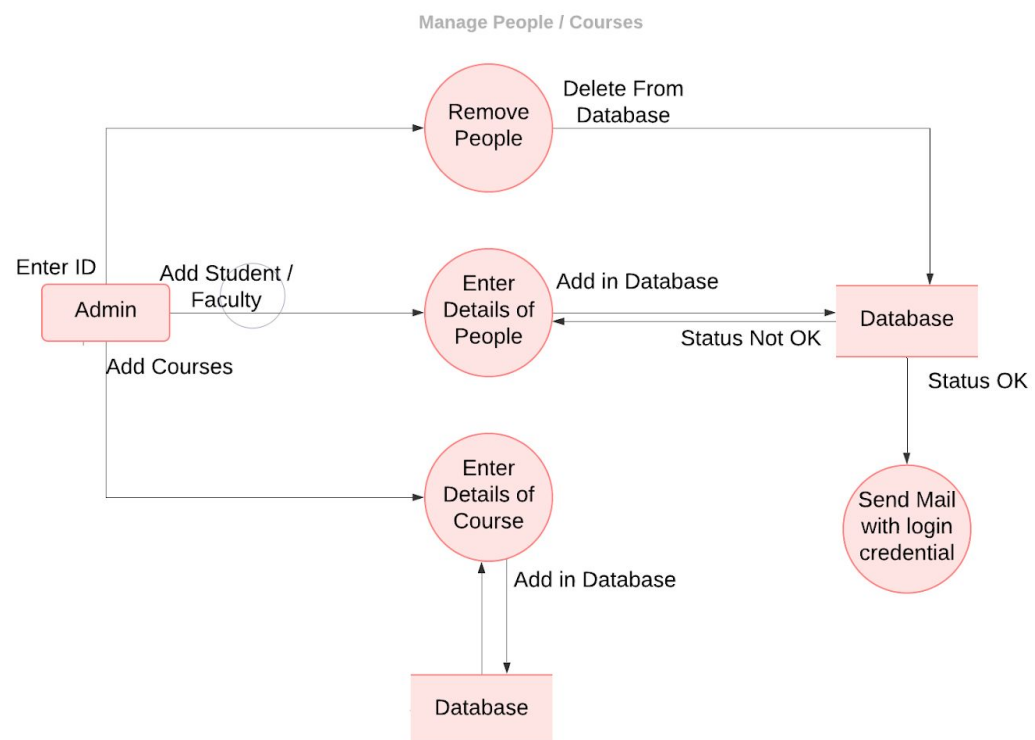
# DFD level 1



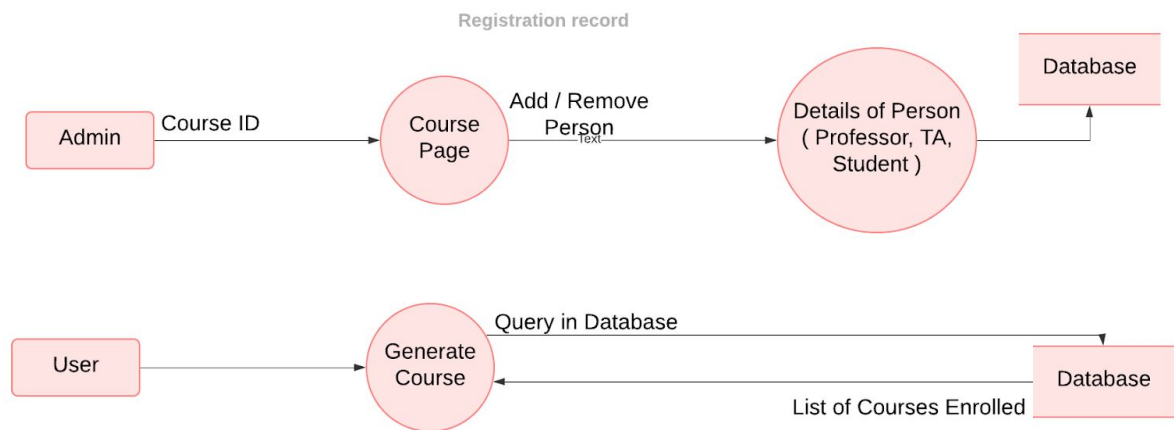
# DFD level 2: login Authentication



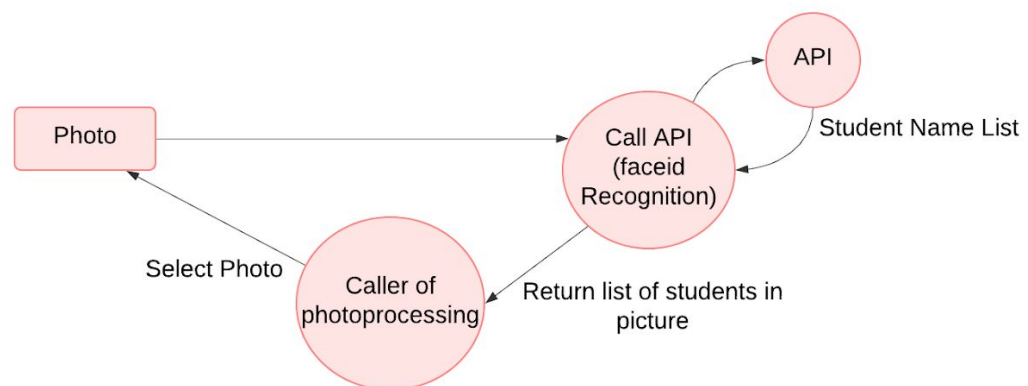
## DFD level 2: Manage people/courses



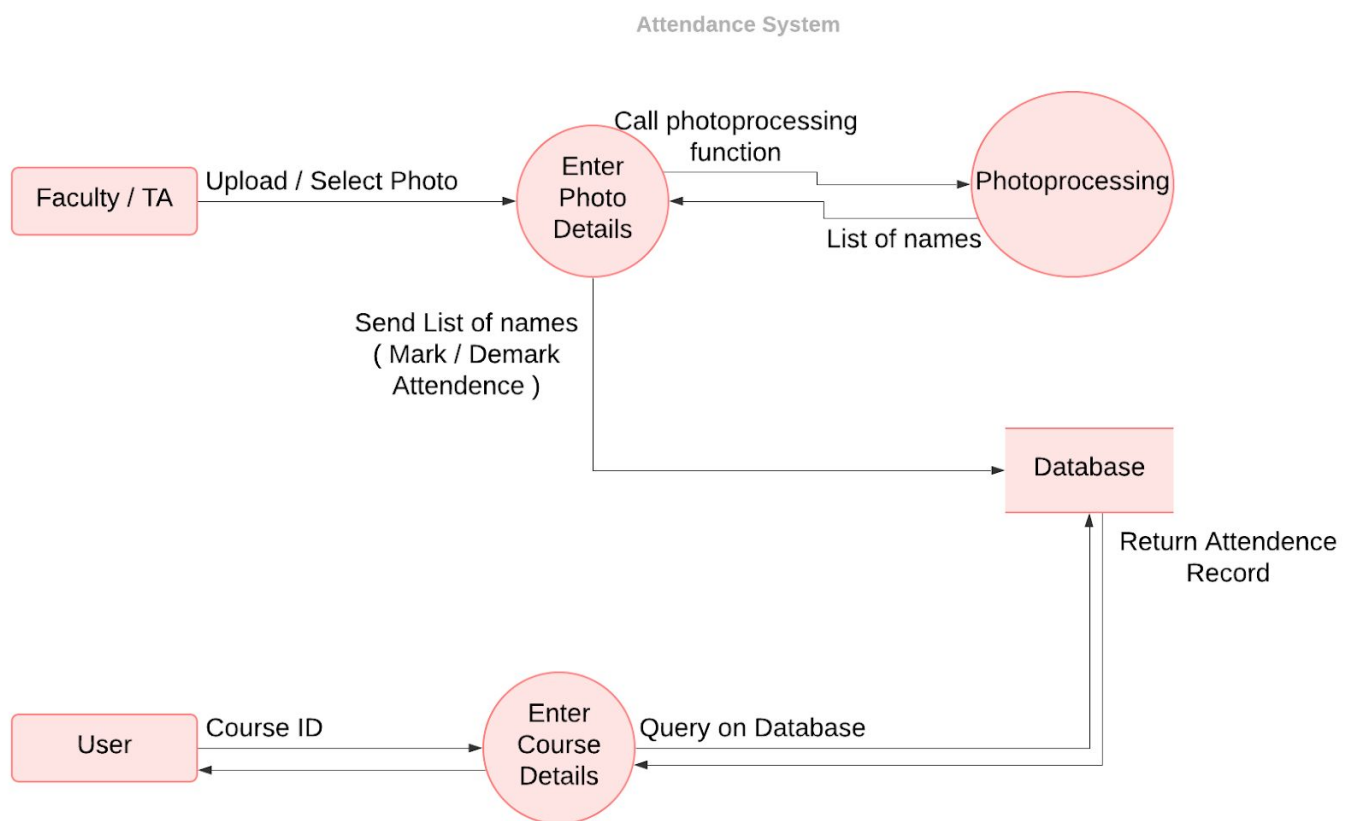
## DFD level 2: Registration Record



## DFD level 2: Photo processing

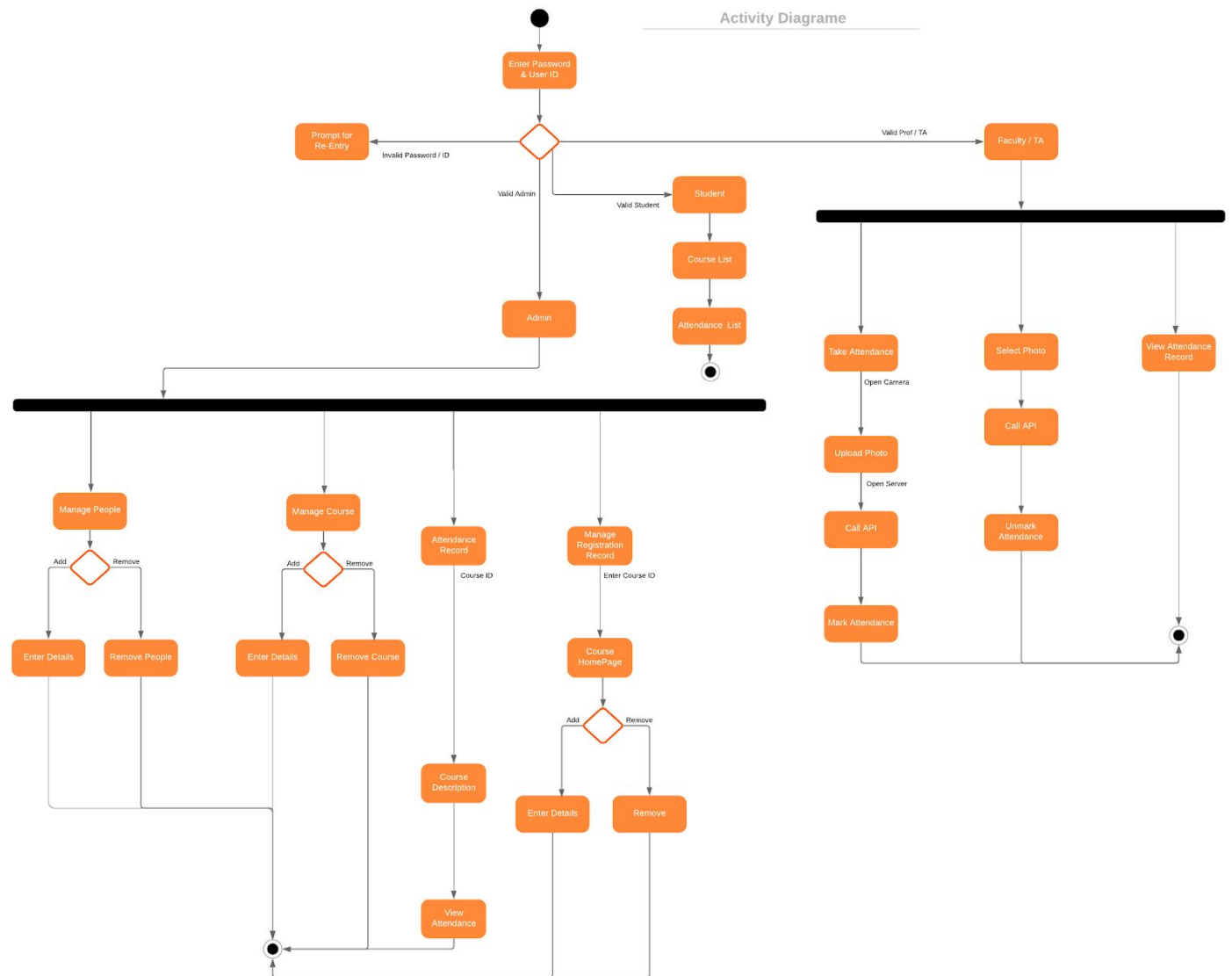


## DFD level 2: Attendance system

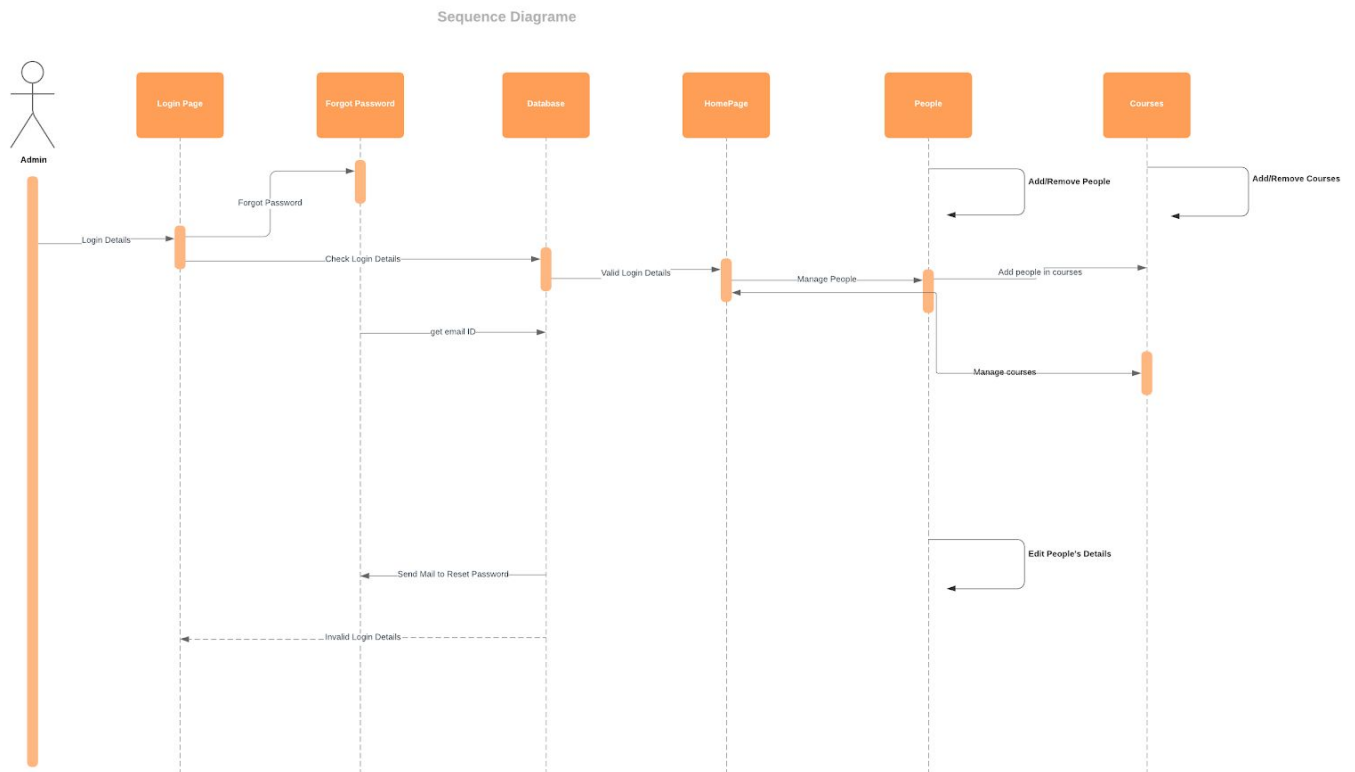




# UML diagrams: Activity Diagram

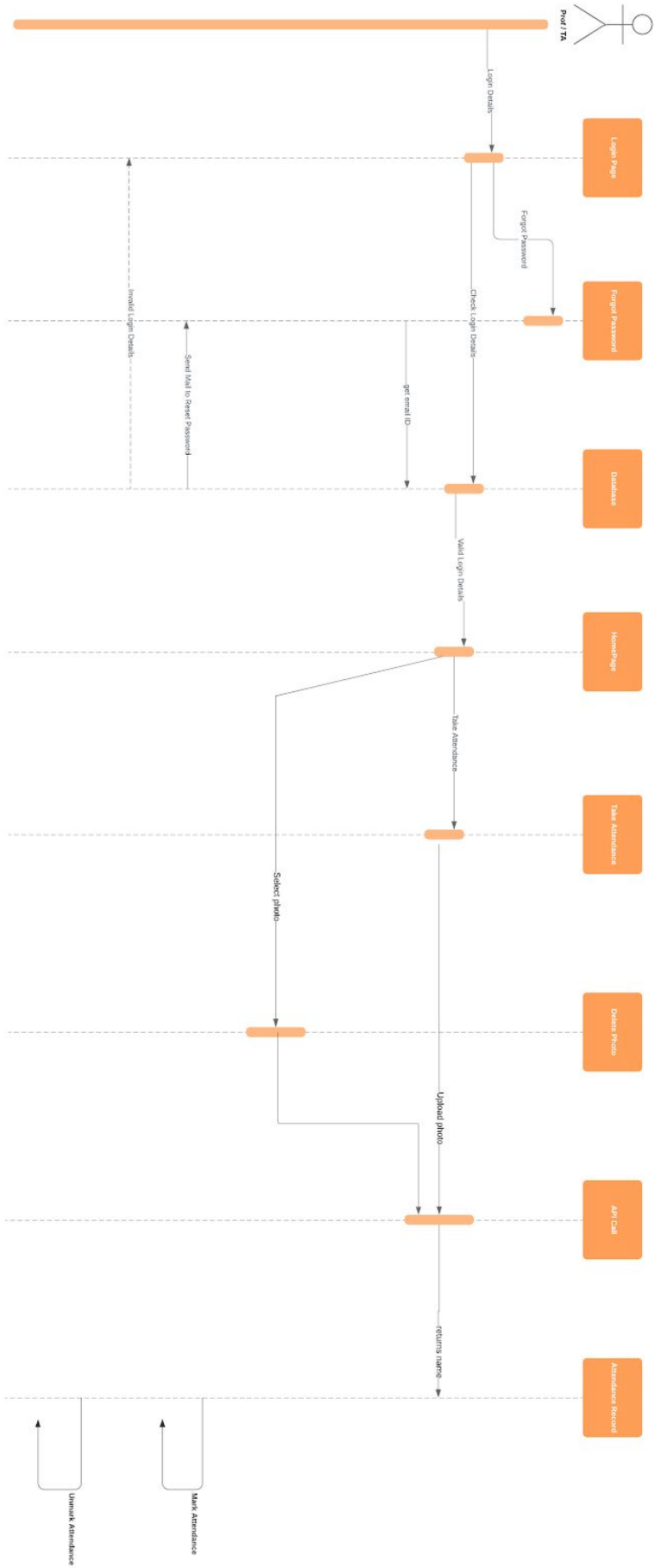


# UML diagrams: Sequence Diagram(admin)



## UML diagrams: Sequence Diagram(prof/TA)

Sequence Diagram



# Deployment Diagram

