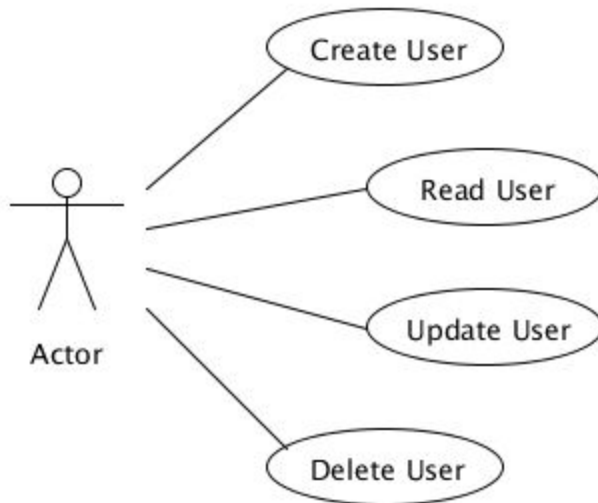


Evidence for Analysis and Design Unit.

Joseph Manuel

E20

A.D.1 Use case Diagram



A.D.2 Class diagram

location
<u>id</u>
name : str

campaign
<u>id</u>
name : str

department
<u>id</u>
name : str

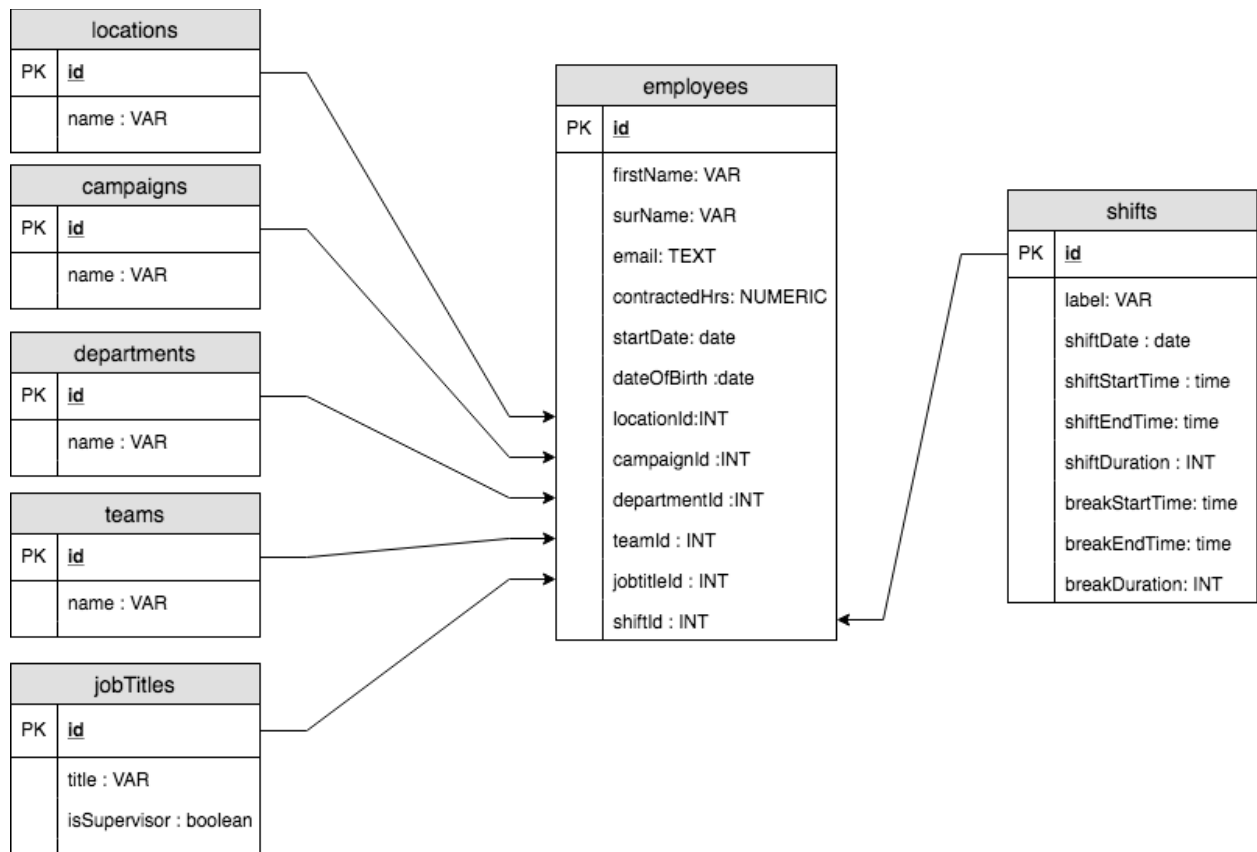
jobTitle
<u>id</u>
title : str
supervisor : boolean

team
<u>id</u>
name : str

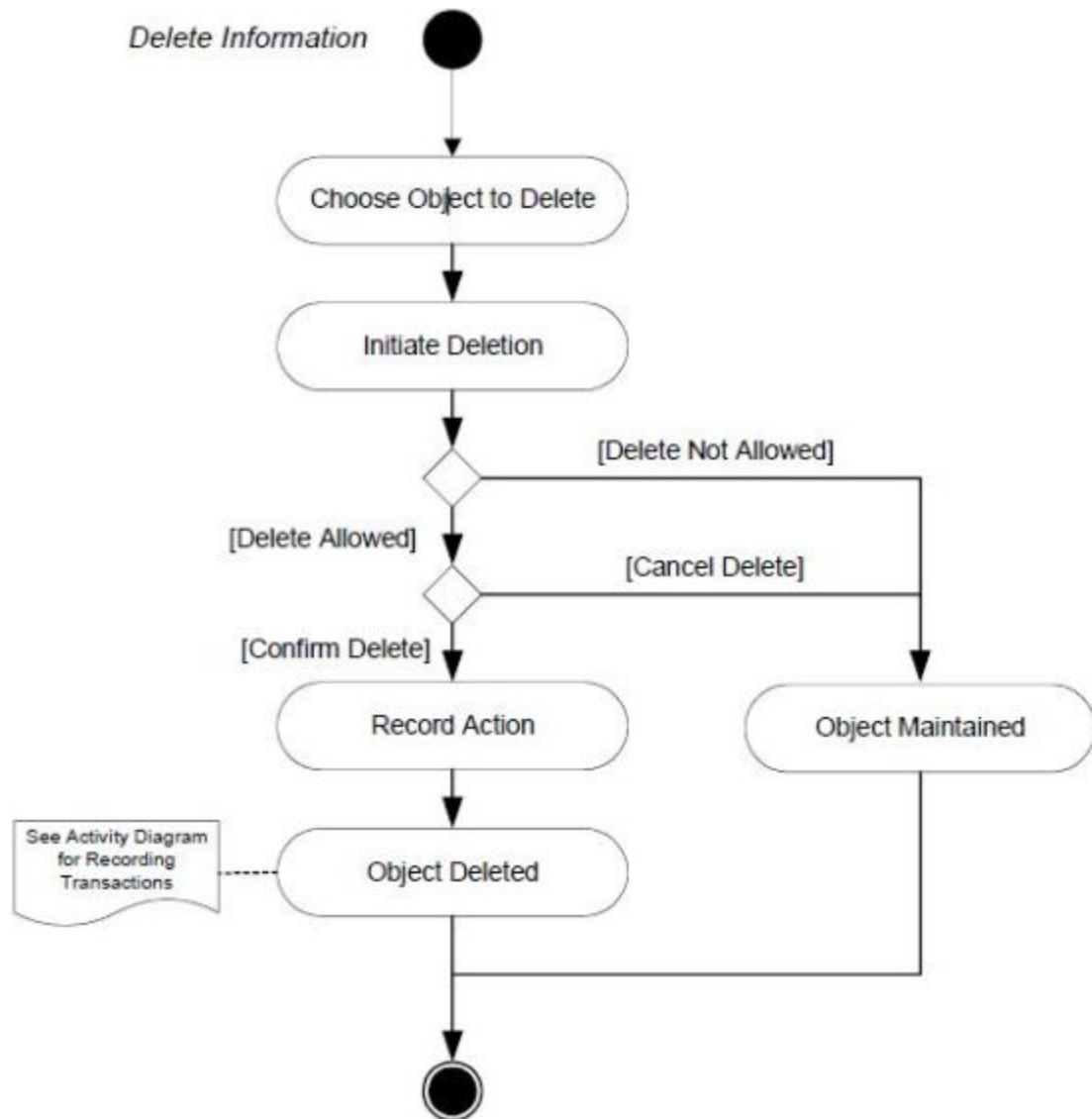
employee
<u>id</u>
firstName: str
surName: str
email: TEXT
contractedHrs: NUMERIC
startDate: date
dateOfBirth: date
locationId: INT
campaignId: INT
departmentId: INT
teamId: INT
jobTitleId: INT
shiftId: INT

shift
<u>id</u>
label: str
shiftDate: date
shiftStartTime: time
shiftEndTime: time
shiftDuration: INT
breakStartTime: time
breakEndTime: time
breakDuration: INT

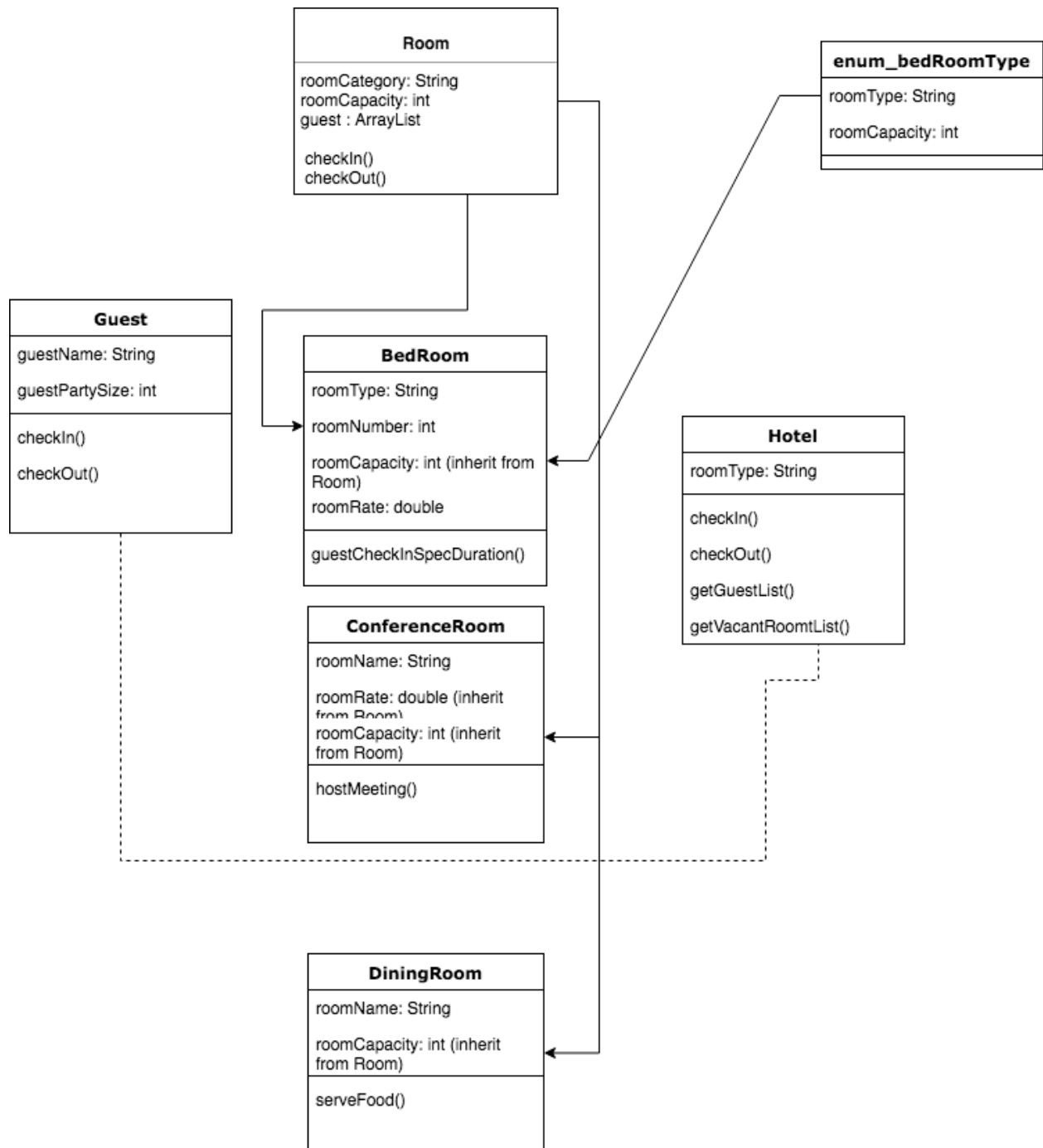
A.D3 Object diagram



A.D.4 Activity diagram



A.D.5 Inheritance diagram



A.D.6 Implementations Constraints:

TOPIC	POSSIBLE EFFECT OF CONSTRAINT ON PRODUCT	SOLUTION
Hardware and software platforms	The web app is only accessible when online or connected to a network hence offline updation is not possible	Persist the data on a local hosted version of the app and sync with the online version when connected to internet
Performance requirements	Hosted through Github pages and the web page is not available sometimes due to the page request limits	Look for dedicated hosted option with a hosting provider
Persistent storage and transactions	If data is not stored to a database, data could be lost or may not load.	Use a cloud option of MongoDB through mLB cloud solution
Usability	Make the UI seamless experience	Use of accessibility compatible design
Budgets	Cost of hosting on the web	Host web app on a free web hosting app such as Heroku or 000 hosting
Time limitations	Time limit of 1 week	Work efficiently and plan each task as sprints to ensure the MVP is achieved.