

Lab Question Sheet on Cloud Data Objects, Validation and Interface

(Building your first mini-application in the Cloud using the Force PaaS)

Consider the following specific requirements and scenario description of a Human Resource Management (HRM) application desired by Company A.

Company A has a number of job openings at different points in time. Numerous people from across the globe submit application for these jobs.

When a new job opening is created, it should have the following attributes: (i) Position ID; (ii) Position Title; (iii) Job Description; (iv) Advertised Date; and (v) Closing Date. The closing date of a position should always be greater than advertised date.

The system should have the following attributes for a person applying for a job: (i) First Name; (ii) Last Name; (iii) Residential Address; (iv) Date of Birth; (v) First Degree; (vi) Second Degree. First Name, Last Name, and First Degree are required attributes and all the other attributes are optional. Additionally, in the page layout for this object, the first four attributes should be categorized as “Personal Details”, and the last two attributes should be categorized as “Qualifications”. The system should allow a given applicant to apply for more than one position.

Based on the above description and requirements for the HRM application desired by Company A, using the Force platform, you are required to carry out the following tasks:

- (a) Identify the objects required for the above mini-application, and draw a rough sketch of the corresponding data model;
- (b) Define the identified objects and the relationship between them, on the Force PaaS;
- (c) Identify the need for validation rules (if any), and define them accordingly, on the Force PaaS;
- (d) Identify the need for page layouts (if any), and define them accordingly, on the Force PaaS.