**Question 1:** Create a Rails web application called *company\_app* with the design shown below:

Company

**Details of the application to be developed:**

1. Create a Rails application called *company\_app* with corresponding database called *company\_development*
2. In the Rails application , create a Company model and migration which has following fields:
   1. id: integer
   2. title: string
   3. website: string
3. Write following validation for *company* model:
   1. *website* field should contain characters specified in quotes “ http://” or “https://”
4. In the Rails application , create a Department model and migration which has following fields:
   1. id: integer
   2. title: string
   3. description: string (max 1000 characters)
5. Write following validation for *department* model:
   1. *description* field should NOT be more than 1000 characters in length
6. In the Rails application , create an Employee model and migration which has following fields:
   1. id: integer
   2. first\_name: string
   3. last\_name: string
   4. email\_id: string
   5. age: integer
7. Write following validation for *employee* model:
   1. *email\_id* field is unique and contains character @
   2. *age* field is an integer
8. Write a model method called *name* for employee model which returns “first\_name last\_name” of the employee. Example: If an employee has first\_name as “Jane” and last\_name as “Doe”, the output of name method should be:

**Jane Doe**

1. Make sure your application runs without any errors