LAB 4 – Sequence & State Model

The ABC Company on Electronic devices area has 500 employees. There are 3 branches as follows:

- Ho Chi Minh City: 200 employees and Head office

- Head office has 5 floors as follows:

    - Floor 1: Server room: Web, Mail, VoIP
    - Floor 2: 45 computers for Accounting, Human resource, and IT departments.
    - Floor 3: 35 computers for Business departments
    - Floor 4: 85 computers for Sale, Marketing departments
    - Floor 5: 25 computers for Designer department and CEO
    - Ground floor: 10 computers for guests

    There is one sever for all floor

- Da Nẵng branch: 130 employees

- Hà Nội branch: 170 employees

All of employees at the branches uses:

- Company web for marketing, employee recruit

- Email provides for employees

- Chat app for employees

Functionalities of departments as follows:

- Accounting department: using accounting application (Windows form), each employee will have an account to login. Manager will assign viewing all reports.

- Human resource department: using HRM (Windows form application each employee will have an account to login. Manager will assign viewing all reports.

- IT department: maintaining all applications, web site, manage server room

- Marketing & Sale departments will be posted information such as advertisement, recruitment on web site. All employees belong to these departments will assign an account to login.

- Business & Design departments will be posted information related to design, benefit of company. All employees belong to these departments will assign an account to login.

Head office connect to all of branches by Internet line (FTTH) for accessing Web, Email, Chat and applications.

Requirements: Implementation

- Sequence model when user login to web site and post news, delete news on the web site
- State model when user login to web site and post news, delete news on the web site