Chapter 4

System Design

4.1 Design Pseudocode or Algorithm for Method or Operation

1) Start
2) Login/signup
   a) If account exist then login
   b) If account does not exist then signup
   c) Recreate password if password forgotten
3) Home page
   a) Courses
      i) Choose courses
      ii) Billing
      iii) Billing history will show in user dashboard
   b) Product
      i) Choose product
      ii) User will be redirected to particular ecommerce website
   c) About us
   d) Contact us
   e) Profile
      i) Dashboard
      ii) Profile
      iii) Signout
4) End

4.2 Flow Chart Diagram

```
                              ┌──────────┐
                              │  START   │
                              └────┬─────┘
                                   │
                    ┌──────────────┴───────────────┐
                    │  IF USER HAS ACCOUNT THEN     │────────────────┐
                    │  LOIGN ELSE SIGNUP            │                │
                    └──────────────┬───────────────┘            ◇ SIGNUP ◇────┐
                                   │                                          │
                                   ▼                                          │
          ◇ FORGOT ◇───FALSE───◇ LOGIN ◇◄──────────────────────────┘         │
          ◇ PASSWORD ◇                                                        ▼
             │      TRUE                                                 ┌──────────┐
             ▼                                                          │ DATABASE │
        ┌──────────┐                                                    └──────────┘
        │ DATABASE │
        └──────────┘
                                   │
                                   ▼
                              ┌──────────┐
                              │ HOMEPAGE │
                              └──────────┘
```

HOME   COURSES   PRODUCT   ABOUT US   CONTACT US   PROFILE

USER HAS TO CHOOSE COURSE

USER HAS TO CHOOSE COURSE

RESPECTICE ECOMMERCE WEBSITE

BILLING

DASHBOARD   PROFILE   SIGNOUT

DATABASE

END   10