

# LAB 321 Assignment

Type:  
Code:  
Point:  
Slot(s):

Long Assignment  
J3.L.P0008  
450  
NA

**Title:** The Dream Traveling

## Background

Build a website for traveling agent like <https://www.vietravel.com/>

## Program Specifications

In this assignment, you are requested to develop a simple website for traveling agent. The website supports online payment or payment at agent (within 24h). **You must use Filter as Main Controller and follow MVC2 model.**

### Features:

This system contains the following functions:

- **Function 1: Login- 50 Points**
  - In order to book a tour, authentication is required.
  - The actor enters userID and password, the function checks if the userID with the password is in the available user list, then grant the access permission. If not, a message would appear to notify that user is not found.
  - Login function includes logout and welcome functions.
- **Function 2: Search- 50 Points**
  - User can find the tour based on: place, dates, price.
  - List first 20 available items in the system order by date: tour name, dates, price, quantity, image. Paging is required.
  - All users can use this function (login is not required)
- **Function 3: Booking- 150 points**
  - All users can use this function except admin role (login is required)
  - User add the selected tour to cart.
  - Each user can add many available tours.
  - User can view the selected tours in the cart. For each tour: tour name, amount, price, total, dates. The screen must show the total amount of money of this cart.
  - User can remove the tour from the cart. The confirm message will show before delete action.
  - User can update amount of each tour in cart.
  - Click the Confirm button to store the order to database (must store order date). The warning message will show if the selected tour is out of stock.
- **Function 4: Insert- 50 points**
  - Only Admin role has permission to create a new tour: tourID, tourName, fromDate, toDate, price, quota, image, dateImport, status.
  - Create new tour.

- Date import is current date.
  - The default status of new tour is active.
- **Function 6: Discount code- 50 points**
  - During booking user can enter the discount code (if any). Each discount code has its expiry date.
  - Corresponding to each discount code, each user can only use once.
- **Function 6: Integrate online payment- 50 points (extra)**
  - User can pay online
- **Function 7: Login with Apple account- 50 points (extra)**
  - User can login by using Apple account.

\* The above specifications are only basic information; you must perform a requirements analysis step and build the application according to real requirements.

\* You have to build your own database.

\* The lecturer will explain the requirement only once on the first slot of the assignment.