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|  | **FPT ACADEMY INTERNATIONAL**  **FPT – APTECH COMPUTER EDUCATION** |

**Centre Name: ACE-HCMC-2-FPT.**

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**SRC Travel Agencies**

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| **Supervisor:** | MR. HOANG DUC QUANG | |
| **Semester:** | 3 | |
| **Batch No:** | T1.1807.M0 | |
| **Group No:** | 4 | |
| **Order:** | **Full name** | **Roll No.** |
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October 2019

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This is to certify that

Ms. Ha Hoang Bao Nguyen

Mr. Nguyen Huu Phuc

Mr. Nguyen Bach Tung

Mr. Tran Duc Truong Giang



have successfully designed and

developed ****

Submitted by:

Date of Issue: \_\_\_\_\_\_\_\_

Authorized Signature: \_\_\_\_\_\_\_\_\_\_\_



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**REVIEW I**

**Acknowledgment**

We would like to acknowledge all those who have given support and help us make the project a success.

We wish to express our deep gratitude to all teachers who have been devoting their lives to teach us how to stand-alone and walk ahead.

We are grateful to our families who take care and encourage us even though we are successful or failed, also to our friends who are always care of us. They never leave us alone and always look forward to us when we are on any road of the life.

We are much thankful to the entire staff and chairpersons at the Head Office of Aptech Worldwide, Aptech – Vietnam, and FPT – Aptech Center who have been organizing and looking after our studying course.

There are no words to show our appreciation for teachers of FPT Aptech Centre who have been organizing and looking after us during our studying course to finish this project. Our special thanks Mr ??? who works day by day to teach and guide us, e-Project Team at the Head Office who instruct and help us.

Finally, we would like to offer many thanks to all our schoolfellows for their valuable suggestions.

We would like to thank sincerely!

**Problem Definition**

1. **Introduction**

SRC Travel Agencies is a domestic privatized transportation company that runs the

vehicles all over the country. They have several branches at different locations of the

country, so that they can provide the transportation facilities between the places. They

want an online application to be developed, where the details of the bookings done and

the customer will be updated from time to time and one can track the details of the

available seats immediately.

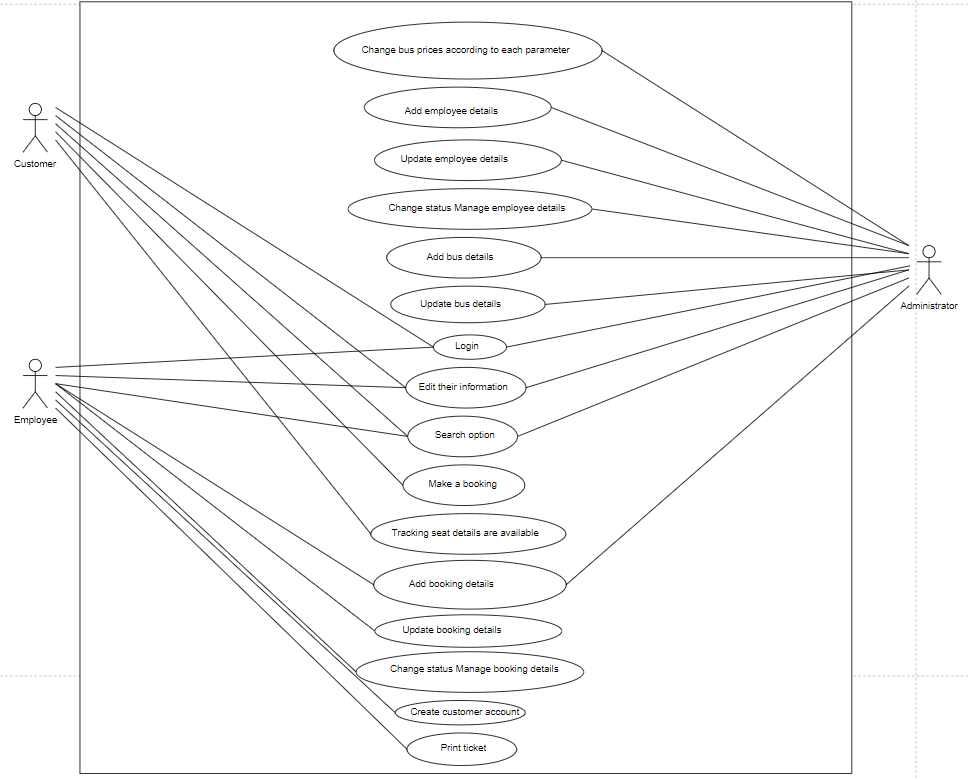
1. **Customer Requirement Specification**

SRC Travel Agencies ’s online service application provides details of the bookings done and the customer will be updated from time to time and one can track the details of the available seats immediately online for their customer. For their employees or administrator, the application will help to maintain the information like bus details, employees details, customer details, ticket details, counter details, etc,...

1. **Functional Requirement Specification**
   1. Administrator

* Login with username and password
* Manage employee details
  + Add new employee
  + Update employee
  + Change status of employee
  + Search
* Manage bus details
  + Add new bus
  + Update
  + Search
* Manage booking details
  + Add new booking
  + Update booking
  + Change status booking
  + Search
* Calculate the charges depend on bus type, customer’s age, distance
* Manage customer details
  + Add new customer
  + Update customer
  + Search
  1. Employee
* Login with username and password
* Change password
* Edit their information
* Create customer account
* Search option by date time, starting place, destination place
* Manage booking details
  + Add new booking
  + Update booking
  + Change status booking
  + Search
* Print ticket
  1. Customer
* Login with username and password
* Change password
* Edit their information
* Track details of available seats from time to time
* Register customer account
* Search option by date time, starting place, destination place
* Make a booking

1. Use case

Hardware / Software Requirements

1. **Server Requirement**

* Hardware

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| **Component** | **Requirement** |
| **CPU** | Processor type:  Pentium IV-compatible processor or faster  Processor speed:  Recommended: 2.0 GHz or faster |
| **OS** | Microsoft Windows Server 2012 with IIS |
| **Memory (RAM)** | RAM:  Minimum: 512 MB  Recommended: 2 GB or more |
| **Hard Drive** | Free space:  Minimum: 200 MB  Recommended: 50 GB or more  Maximum: Operating system maximum |

* Software

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| **Component** | **Requirement** |
| **Microsoft .NET Framework** | Version 4.6 or higher |
| **RDBMS** | Microsoft SQL Server 2017 |

1. **Client Requirement**

* Hardware

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| **Component** | **Requirement** |
| **CPU** | Processor type:  Pentium III-compatible processor or faster  Processor speed:  Recommended: 1.0 GHz or faster |
| **OS** | All OS (Window, Linux, Android, Mac OS …) |
| **Memory (RAM)** | RAM:  Minimum: 512 MB  Recommended: 1 GB or more  Maximum: Operating system maximum |
| **Hard Drive** | Free space:  Minimum: 10 MB |

* Software

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| --- | --- |
| **Component** | **Requirement** |
| **Web Browser** | Chrome, Opera (up to date) |

**Task Sheet Review I**

|  |  |  |  |  |  |
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| Project Ref. No: 4 | Project Title:  Railway Reservation Manage System | Date of Preparation of Activity Plan | | | |
| No. | Task | Actual Start Date | Actual Days | Team Member Names | Status |
| 01 | Acknowledgment | Oct 26, 2018 | 2 | All Members | Completed |
| 02 | Problem Definition | All Members | Completed |
| 03 | Customer Requirement | All Members | Completed |
| 05 | Hardware/Software | All Members | Completed |
| 06 | Task sheet | All Members | Completed |

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|  | Prepare By: Group 4 | Approved By: Faculty |
| Date: Oct 21, 2019 | Team Leader  Nguyen Huu Phuc | Mr. Hoang Duc Quang |