**MINISTRY OF EDUCATION AND TRAINING**

**FPT UNIVERSITY**

Capstone Project Document

**Job Searching System**

|  |  |
| --- | --- |
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-Hanoi, 07/2015-

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# Signature page

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**Approval:** Trần Đình Trí Date:

*Supervisor*

# Definitions, Acronyms, and Abbreviations

|  |  |
| --- | --- |
| **Name** | **Definition** |
| JSS | Job Searching System |
| SRS | Software Requirement Specification |

# System implementation & Testing

## Introduction

### Overview

This section provides in detail all necessary information about implementation and testing procedure of JSS includes test plan, test cases and test result.

### Test Approach

* Goal: to test the whole system based on the SRS document.
* Method: system testing, black-box testing.

## Database Relationship Diagrams

### Physical Diagram

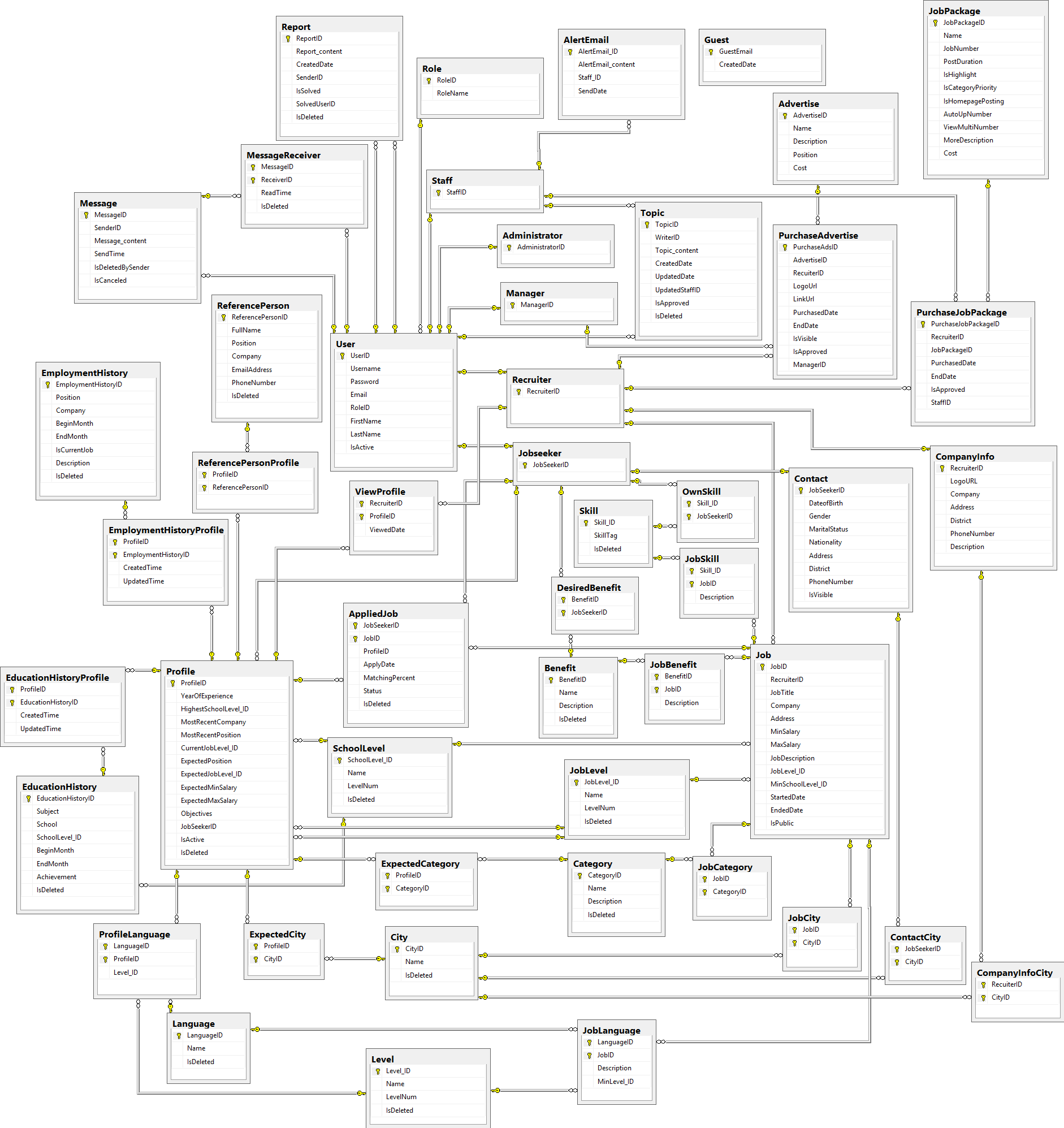


Figure 1: Physical Database Diagram

### Data Dictionary

|  |  |
| --- | --- |
| **Data dictionary: describe content of all tables** | |
| **Entity Name** | **Description** |
| User | Describe all users in the system. |
| Role | Describe all role in the system. |
| Jobseeker | List of users whose role are jobseeker. |
| Recruiter | List of users whose role are recruiter. |
| Staff | List of users whose role are staff. |
| Manager | List of users whose role are manager. |
| Administrator | List of users whose role are administrator. |
| Message | Store all the message in the system. |
| MessageReceiver | Mark the message with are received by user. |
| Report | Store all reports. |
| Topic | Store all written topic. |
| Contact | Contain contact information of jobseeker. |
| ContactCity | Map contact information with the city on the city list. |
| City | Contain list of avaiable cities. |
| JobCity | Map the job with the city on the city list. |
| ExpectedCity | The city which user want to work at. |
| CompanyInfoCity | Map the company info with the city list. |
| OwnSkill | Map user with some skills on the skill list. |
| Skill | Contain list of avaiable skills. |
| JobSkill | Map job with some required skills on the skill list. |
| DesireBenefit | Map user expected benefit with the benefit list. |
| Benefit | Contain list of benefit. |
| JobBenefit | Map the job providing benefit with the benefit list. |
| AppliedJob | Store information when user apply for a job. |
| Profile | Describe job seeker CV. |
| ViewProfile | Recruiter view CV of jobseeker. |
| ReferencePersonProfile | Map jobseeker CV with reference person information. |
| ReferencePerson | Conatin detail information of jobseeker. |
| EmploymentHistoryProfile | Map jobseeker CV with Employment. |
| EmploymentHistory | Contain information of employment history of jobseeker. |
| EducationHistoryProfile | Map jobseeker CV with education information. |
| EdutcationHistory | Contain information of education history of jobseeker. |
| SchoolLevel | Describe level of certification of jobseeker. |
| ProfileLanguage | Map the language of jobseeker on profile with the language list. |
| Language | List of avaiable language. |
| Level | List of available level of language. |
| JobLanguage | Map the required language of job with the language list. |
| Job | Describe all job information in the system. |
| JobCategory | Map the job with the job category. |
| Category | List all availble category of job. |
| ExpectedCategory | Map the expected working job category with the job category. |
| CompanyInfo | Store the information of all the company in the system. |
| PurchaseAdvertise | Store transaction when recruiter request to buy advertise. |
| Advertise | Describe all advertise in the system. |
| PurchaseJobPackage | Store transaction when recruiter request to buy job package. |
| JobPackage | Describe all job package in the system. |
| AlertEmail | Staff send job alert email. |
| Guest | Store email address of guest after they using Get Job Alert function. |

## Performance measures

N/A

## Test Overview

### Test Approach

V-model be used to implement testing process.



Figure ‑ V-model

Because requirement of project must be always suitable with user, V-model is implemented to testing process. In V-model, all process is divided into two groups corresponding to different stages: development and testing. Each stage of development will be combined with a corresponding test phase. The testing activities are focused and implemented in parallel with the activities related to requirements specification and design. In other words, this model encourages the activities related to the test plan was conducted early in the development cycle, not wait until the end stage reality. Testing progress is divided to 4 test level include: Unit test, Integration test, System test and Acceptance test.

### Unit testing

* In unit testing checks isolate each part of the program and ensure that part run as required. Unit tests help ensure the accuracy of the program, it helps establish constraints and parts of code we have done exactly that constraints.
* Unit test will be done by the developers.

### Integration testing

* In integration testing checks whether all the modules are combined or not combined together do the work have achieved results document requirements have been identified.
* Integration testing will be done by tester.

### System testing

* Compare the system specifications against the actual system.
* System testing checks if the integrated product meets the specified requirements.

### Acceptance testing

* In this test, the software will be done from the user check to find out if the software matching the expectations of users and perform as expected.

## Test Plan

The purpose of this section is to verify and ensure that JSS meets its design specification and other requirements from user. The following part will describe which features to be tested and which will not.

### Features to be tested

We will test the entire system based on SRS document.

(Reference: **Table 3-1: Functional Requirement**).

Base on the list of functions, all following features will be tested, which can include one or more functions. These features will be focused and tested thoroughly during the test phase.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Function to be tested | Guest | JobSeeker | Recruiter | Staff | Manager | Administrator |
| Register | ✓ | - | - | - | - | - |
| Login | - | ✓ | ✓ | ✓ | ✓ | ✓ |
| Logout | - | ✓ | ✓ | ✓ | ✓ | ✓ |
| Get Job Alert | ✓ | ✓ | - | - | - | - |
| Find Job | ✓ | ✓ | - | - | - | - |
| View Job Detail | ✓ | ✓ | - | - | - | - |
| View Company Detail | ✓ | ✓ | - | - | - | - |
| Save Job | - | ✓ | - | - | - | - |
| Apply Job | - | ✓ | - | - | - | - |
| View/Delete Applied Job | - | ✓ | - | - | - | - |
| Manage Own CV | - | ✓ | - | - | - | - |
| Manage Own Skill | - | ✓ | - | - | - | - |
| Manage Company | - | - | ✓ | - | - | - |
| View Job Seeker’s CV | - | - | ✓ | - | - | - |
| Buy Job Package | - | - | ✓ | - | - | - |
| Manage Job | - | - | ✓ | - | - | - |
| Buy Advertise | - | - | ✓ | - | - | - |
| View Transaction | - | - | ✓ | - | - | - |
| Manage Applicant | - | - | ✓ | - | - | - |
| Process Job Package Request | - | - | - | ✓ | - | - |
| Manage Common List | - | - | - | ✓ | - | - |
| View Statistic Report | - | - | - | - | ✓ | - |
| Manage Advertise | - | - | - | - | - | ✓ |
| Manage Advertise Cost | - | - | - | - | ✓ | - |
| Process Advertise Request | - | - | - | - | ✓ | - |
| Manage Job Package | - | - | - | - | ✓ | - |
| Manage Account | - | - | - | - | - | ✓ |
| Send Report | - | ✓ | ✓ | - | - | - |
| Manage Report | - | - | - | ✓ | ✓ | ✓ |
| Manage Own Message | - | ✓ | ✓ | ✓ | ✓ | ✓ |
| Write Topic | - | ✓ | ✓ | ✓ | ✓ | ✓ |
| Manage Topic | - | - | - | ✓ | - | - |

### Features not to be tested

Taking advance from the number of members, our team will spend all effort to test every single functions of the system. There will be no feature not to be tested.

### Testing Tool and Environment

In order to process test case, test team must install all of the following software:

* Web browser: Google Chrome (at least version 39.0.2171.71)   
  or Firefox (at least version 33.1.0.5423) and must support JavaScript and HTML 5.
* Visual Studio 2013 and Microsoft SQL Server 2013 for running Source code.
* Tortoise SVN for management testing related document.

## Unit test result

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No** | **Module** | **Class** | **Method** | **Status** | **Date** | **Done by** |
| 1 | Controller | CommonListController | CityList | OK | 13-Jul | ThaiPQ |
| 2 | Controller | CommonListController | CreateCity | OK | 13-Jul | ThaiPQ |
| 3 | Controller | CommonListController | UpdateCity | Failed | 13-Jul | ThaiPQ |
| 4 | Controller | CommonListController | UpdateCity | Ok | 14-Jul | ThaiPQ |
| 5 | Controller | CommonListController | DeleteCity | OK | 13-Jul | ThaiPQ |
| 6 | Controller | CommonListController | CategoryList | OK | 13-Jul | ThaiPQ |
| 7 | Controller | CommonListController | CreateCategory | OK | 13-Jul | ThaiPQ |
| 8 | Controller | CommonListController | UpdateCategory | OK | 13-Jul | ThaiPQ |
| 9 | Controller | CommonListController | DeleteCategory | OK | 13-Jul | ThaiPQ |
| 10 | Controller | CommonListController | LanguageList | OK | 13-Jul | ThaiPQ |
| 11 | Controller | CommonListController | CreateLanguage | OK | 13-Jul | ThaiPQ |
| 12 | Controller | CommonListController | UpdateLanguage | OK | 13-Jul | ThaiPQ |
| 13 | Controller | CommonListController | DeleteLanguage | OK | 13-Jul | ThaiPQ |
| 14 | Controller | CommonListController | JobLevelList | OK | 13-Jul | ThaiPQ |
| 15 | Controller | CommonListController | CreateJobLevel | Failed | 13-Jul | ThaiPQ |
| 16 | Controller | CommonListController | CreateJobLevel | OK | 14-Jul | ThaiPQ |
| 17 | Controller | CommonListController | UpdateJobLevel | OK | 13-Jul | ThaiPQ |
| 18 | Controller | CommonListController | DeleteJobLevel | OK | 13-Jul | ThaiPQ |
| 19 | Controller | CommonListController | SchoolLevelList | OK | 13-Jul | ThaiPQ |
| 20 | Controller | CommonListController | CreateSchoolLevel | OK | 13-Jul | ThaiPQ |
| 21 | Controller | CommonListController | UpdateSchoolLevel | OK | 13-Jul | ThaiPQ |
| 22 | Controller | CommonListController | DeleteSchoolLevel | OK | 13-Jul | ThaiPQ |
| 23 | Controller | CommonListController | LevelList | OK | 17-Jul | ThaiPQ |
| 24 | Controller | CommonListController | CreateLevel | OK | 17-Jul | ThaiPQ |
| 25 | Controller | CommonListController | UpdateLevel | OK | 17-Jul | ThaiPQ |
| 26 | Controller | CommonListController | DeleteLevel | OK | 17-Jul | ThaiPQ |
| 27 | Controller | CompanyInfoController | Update | Failed | 17-Jul | ThaiPQ |
| 28 | Controller | CompanyInfoController | Update | OK | 18-Jul | ThaiPQ |
| 29 | Controller | AccountController | Login | Failed | 17-Jul | TaiHD |
| 30 | Controller | AccountController | Login | OK | 22-Jul | TaiHD |
| 31 | Controller | AccountController | ChangePassword | Failed | 17-Jul | TaiHD |
| 32 | Controller | AccountController | ChangePassword | OK | 22-Jul | TaiHD |
| 33 | Controller | AccountController | Register | Failed | 18-Jul | TaiHD |
| 34 | Controller | AccountController | Register | OK | 22-Jul | TaiHD |
| 35 | Controller | AccountController | LogOff | Failed | 18-Jul | TaiHD |
| 36 | Controller | AccountController | LogOff | OK | 22-Jul | TaiHD |
| 37 | Controller | ProfileController | Index | OK | 22-Jul | TaiHD |
| 38 | Controller | ProfileController | List | OK | 22-Jul | TaiHD |
| 39 | Controller | ProfileController | Update | OK | 22-Jul | TaiHD |
| 40 | Controller | ProfileController | Update | OK | 22-Jul | TaiHD |
| 41 | Controller | ProfileController | UpdateContact | OK | 22-Jul | TaiHD |
| 42 | Controller | ProfileController | UpdateCommonInfo | OK | 22-Jul | TaiHD |
| 43 | Controller | ProfileController | UpdateEmploymentHistory | OK | 22-Jul | TaiHD |
| 44 | Controller | ProfileController | UpdateEducationHistory | OK | 22-Jul | TaiHD |
| 45 | Controller | ProfileController | UpdateReferencePerson | OK | 22-Jul | TaiHD |
| 46 | Controller | ProfileController | Delete | OK | 22-Jul | TaiHD |
| 47 | DAL | ProfileUnitOfWork | GetAllProList | OK | 22-Jul | TaiHD |
| 48 | DAL | ProfileUnitOfWork | UpdateContact | OK | 22-Jul | TaiHD |
| 49 | DAL | ProfileUnitOfWork | UpdateCommonInfo | OK | 22-Jul | TaiHD |
| 50 | DAL | CommonListUnitOfWork | CreateCity | OK | 14-Jul | ThaiPQ |
| 51 | DAL | CommonListUnitOfWork | UpdateCity | OK | 14-Jul | ThaiPQ |
| 52 | DAL | CommonListUnitOfWork | DeleteCity | OK | 14-Jul | ThaiPQ |
| 53 | DAL | CommonListUnitOfWork | CreateCategory | OK | 14-Jul | ThaiPQ |
| 54 | DAL | CommonListUnitOfWork | UpdateCategory | OK | 14-Jul | ThaiPQ |
| 55 | DAL | CommonListUnitOfWork | DeleteCategory | OK | 14-Jul | ThaiPQ |
| 56 | DAL | CommonListUnitOfWork | CreateLanguage | OK | 14-Jul | ThaiPQ |
| 57 | DAL | CommonListUnitOfWork | UpdateLanguage | OK | 14-Jul | ThaiPQ |
| 58 | DAL | CommonListUnitOfWork | DeleteLanguage | OK | 14-Jul | ThaiPQ |
| 59 | DAL | CommonListUnitOfWork | CreateJobLevel | OK | 14-Jul | ThaiPQ |
| 60 | DAL | CommonListUnitOfWork | UpdateJobLevel | OK | 14-Jul | ThaiPQ |
| 61 | DAL | CommonListUnitOfWork | DeleteJobLevel | OK | 14-Jul | ThaiPQ |
| 62 | DAL | CommonListUnitOfWork | CreateSchoolLevel | OK | 14-Jul | ThaiPQ |
| 63 | DAL | CommonListUnitOfWork | UpdateSchoolLevel | OK | 14-Jul | ThaiPQ |
| 64 | DAL | CommonListUnitOfWork | DeleteSchoolLevel | OK | 14-Jul | ThaiPQ |
| 65 | DAL | CommonListUnitOfWork | CreateLevel | OK | 18-Jul | ThaiPQ |
| 66 | DAL | CommonListUnitOfWork | UpdateLevel | OK | 18-Jul | ThaiPQ |
| 67 | DAL | CommonListUnitOfWork | DeleteLevel | OK | 18-Jul | ThaiPQ |
| 68 | DAL | CompanyInfoUnitOfWork | GetCompanyInfo | OK | 18-Jul | ThaiPQ |
| 69 | DAL | CompanyInfoUnitOfWork | CreateCompanyInfoCity | OK | 18-Jul | ThaiPQ |
| 70 | DAL | CompanyInfoUnitOfWork | UpdateCompanyInfo | OK | 18-Jul | ThaiPQ |
| 71 | Controller | CommonListController | CityList | OK | 22-Jul | ThaiPQ |
| 72 | Controller | CommonListController | CreateCity | OK | 22-Jul | ThaiPQ |
| 73 | Controller | CommonListController | UpdateCity | OK | 22-Jul | ThaiPQ |
| 74 | Controller | CommonListController | DeleteCity | OK | 22-Jul | ThaiPQ |
| 75 | Controller | CommonListController | CategoryList | OK | 22-Jul | ThaiPQ |
| 76 | Controller | CommonListController | CreateCategory | OK | 22-Jul | ThaiPQ |
| 77 | Controller | CommonListController | UpdateCategory | OK | 22-Jul | ThaiPQ |
| 78 | Controller | CommonListController | DeleteCategory | OK | 22-Jul | ThaiPQ |
| 79 | Controller | CommonListController | LanguageList | OK | 22-Jul | ThaiPQ |
| 80 | Controller | CommonListController | CreateLanguage | OK | 22-Jul | ThaiPQ |
| 81 | Controller | CommonListController | UpdateLanguage | OK | 22-Jul | ThaiPQ |
| 82 | Controller | CommonListController | DeleteLanguage | OK | 22-Jul | ThaiPQ |
| 83 | Controller | CommonListController | JobLevelList | OK | 22-Jul | ThaiPQ |
| 84 | Controller | CommonListController | CreateJobLevel | OK | 22-Jul | ThaiPQ |
| 85 | Controller | CommonListController | UpdateJobLevel | OK | 22-Jul | ThaiPQ |
| 86 | Controller | CommonListController | DeleteJobLevel | OK | 22-Jul | ThaiPQ |
| 87 | Controller | CommonListController | SchoolLevelList | OK | 22-Jul | ThaiPQ |
| 88 | Controller | CommonListController | CreateSchoolLevel | OK | 22-Jul | ThaiPQ |
| 89 | Controller | CommonListController | UpdateSchoolLevel | OK | 22-Jul | ThaiPQ |
| 90 | Controller | CommonListController | DeleteSchoolLevel | OK | 22-Jul | ThaiPQ |
| 91 | Controller | CommonListController | LevelList | OK | 22-Jul | ThaiPQ |
| 92 | Controller | CommonListController | CreateLevel | OK | 22-Jul | ThaiPQ |
| 93 | Controller | CommonListController | UpdateLevel | OK | 22-Jul | ThaiPQ |
| 94 | Controller | CommonListController | DeleteLevel | OK | 22-Jul | ThaiPQ |
| 95 | Controller | CompanyInfoController | Update | OK | 22-Jul | ThaiPQ |
| 96 | Controller | CompanyInfoController | Update | OK | 22-Jul | ThaiPQ |
| 97 | Controller | HomeController | Index | OK | 22-Jul | ThienNN |
| 98 | Controller | JobController | Search | OK | 22-Jul | ThienNN |
| 99 | Controller | JobController | Detail | OK | 22-Jul | ThienNN |
| 100 | Controller | JobController | Apply | OK | 22-Jul | ThienNN |
| 101 | Controller | JobController | AppliedJobList | Failed | 22-Jul | ThienNN |
| 102 | Controller | JobController | DeleteAppliedJob | OK | 22-Jul | ThienNN |
| 103 | Controller | MessageController | Inbox | OK | 22-Jul | ThienNN |
| 104 | Controller | MessageController | Sent | OK | 22-Jul | ThienNN |
| 105 | Controller | MessageController | Detail | Failed | 22-Jul | ThienNN |
| 106 | Controller | MessageController | Write | OK | 22-Jul | ThienNN |
| 107 | Controller | MessageController | Delete | OK | 22-Jul | ThienNN |
| 108 | Controller | ReportController | List | OK | 22-Jul | ThienNN |
| 109 | Controller | ReportController | Create | OK | 22-Jul | ThienNN |
| 110 | Controller | ReportController | CreatedList | OK | 22-Jul | ThienNN |
| 111 | Controller | ReportController | Resolve | OK | 22-Jul | ThienNN |
| 112 | Controller | ReportController | Delete | OK | 22-Jul | ThienNN |
| 113 | Controller | AdvertiseController | RequestedList | OK | 22-Jul | ThienNN |
| 114 | Controller | AdvertiseController | Search | OK | 22-Jul | ThienNN |
| 115 | Controller | AdvertiseController | CreateRequest | Failed | 22-Jul | ThienNN |
| 116 | Controller | AdvertiseController | AcceptRequest | OK | 22-Jul | ThienNN |
| 117 | Controller | AdvertiseController | DeleteRequest | Failed | 22-Jul | ThienNN |
| 118 | Controller | AdvertiseController | UpdateCost | Failed | 22-Jul | ThienNN |
| 119 | Controller | JobPackageController | Detail | OK | 22-Jul | ThienNN |
| 120 | Controller | JobPackageController | Choose | OK | 22-Jul | ThienNN |
| 121 | Controller | JobPackageController | Invoice | OK | 22-Jul | ThienNN |
| 122 | Controller | JobPackageController | RequestedList | OK | 22-Jul | ThienNN |
| 123 | Controller | JobPackageController | AcceptRequest | OK | 22-Jul | ThienNN |
| 124 | Controller | JobPackageController | DeleteRequest | OK | 22-Jul | ThienNN |
| 125 | DAL | AdvertiseUnitOfWork | GetAllAdvertise | OK | 22-Jul | ThienNN |
| 126 | DAL | AdvertiseUnitOfWork | CreateAdvertiseRequest | OK | 22-Jul | ThienNN |
| 127 | DAL | AdvertiseUnitOfWork | GetAllAdvertiseRequest | OK | 22-Jul | ThienNN |
| 128 | DAL | AdvertiseUnitOfWork | AccepMultiAdvertise | OK | 22-Jul | ThienNN |
| 129 | DAL | AdvertiseUnitOfWork | DeleteMultiAdvertise | OK | 22-Jul | ThienNN |
| 130 | DAL | HomeUnitOfWork | GetAllJob | OK | 22-Jul | ThienNN |
| 131 | DAL | HomeUnitOfWork | GetAllCities | OK | 22-Jul | ThienNN |
| 132 | DAL | HomeUnitOfWork | GetAllCategories | OK | 22-Jul | ThienNN |
| 133 | DAL | HomeUnitOfWork | GetAllSchoolLevel | OK | 22-Jul | ThienNN |
| 134 | DAL | JobUnitOfWork | CheckCity | OK | 22-Jul | ThienNN |
| 135 | DAL | JobUnitOfWork | CheckCategories | OK | 22-Jul | ThienNN |
| 136 | DAL | JobUnitOfWork | FindJob | OK | 22-Jul | ThienNN |
| 137 | DAL | JobUnitOfWork | GetJobDetail | OK | 22-Jul | ThienNN |
| 138 | DAL | JobUnitOfWork | IsJobExist | OK | 22-Jul | ThienNN |
| 139 | DAL | JobUnitOfWork | GetAppliedJobList | OK | 22-Jul | ThienNN |
| 140 | DAL | JobUnitOfWork | DeleteAppliedRequest | OK | 22-Jul | ThienNN |
| 141 | DAL | MessageUnitOfWork | GetAllMessage | OK | 22-Jul | ThienNN |
| 142 | DAL | MessageUnitOfWork | AutoCompleteUser | OK | 22-Jul | ThienNN |
| 143 | DAL | MessageUnitOfWork | SendMessage | OK | 22-Jul | ThienNN |
| 144 | DAL | MessageUnitOfWork | GetAspNetUserIdByName | OK | 22-Jul | ThienNN |
| 145 | DAL | MessageUnitOfWork | IsMessageExist | OK | 22-Jul | ThienNN |
| 146 | DAL | MessageUnitOfWork | GetMessageDetail | OK | 22-Jul | ThienNN |
| 147 | DAL | MessageUnitOfWork | DeleteMessage | OK | 22-Jul | ThienNN |
| 148 | DAL | MessageUnitOfWork | GetAllSentMessage | OK | 22-Jul | ThienNN |
| 149 | DAL | MessageUnitOfWork | GetAllDeleteMessage | OK | 22-Jul | ThienNN |
| 150 | DAL | PackageUnitOfWork | GetAllPackage | OK | 22-Jul | ThienNN |
| 151 | DAL | PackageUnitOfWork | GetJobPackageById | OK | 22-Jul | ThienNN |
| 152 | DAL | PackageUnitOfWork | CreateJobPackageRequest | OK | 22-Jul | ThienNN |
| 153 | DAL | PackageUnitOfWork | GetAllJobPackageRequest | OK | 22-Jul | ThienNN |
| 154 | DAL | PackageUnitOfWork | AcceptJobPackageRequest | OK | 22-Jul | ThienNN |
| 155 | DAL | PackageUnitOfWork | DeleteJobPackageRequest | OK | 22-Jul | ThienNN |
| 156 | DAL | PackageUnitOfWork | AccepMultitJobPackageRequest | OK | 22-Jul | ThienNN |
| 157 | DAL | ReportUnitOfWork | CreateReport | OK | 22-Jul | ThienNN |
| 158 | DAL | ReportUnitOfWork | GetAllReport | OK | 22-Jul | ThienNN |
| 159 | DAL | ReportUnitOfWork | DeleteReport | OK | 22-Jul | ThienNN |
| 160 | DAL | JobUnitOfWork | Model\_Topic | OK | 22-Jul | ThienVH |
| 161 | DAL | JobUnitOfWork | CreateJob | Failed | 22-Jul | ThienVH |
| 162 | DAL | JobUnitOfWork | GetJobByRecruiterID | OK | 22-Jul | ThienVH |
| 163 | DAL | JobUnitOfWork | Display | OK | 22-Jul | ThienVH |
| 164 | DAL | JobUnitOfWork | Hide | OK | 22-Jul | ThienVH |
| 165 | DAL | TopicUnitOfWork | Create | Failed | 22-Jul | ThienVH |
| 166 | DAL | TopicUnitOfWork | Get | OK | 22-Jul | ThienVH |
| 167 | DAL | TopicUnitOfWork | GetByID | OK | 22-Jul | ThienVH |
| 168 | DAL | TopicUnitOfWork | GetByUserID | OK | 22-Jul | ThienVH |
| 169 | DAL | TopicUnitOfWork | Delete | OK | 22-Jul | ThienVH |
| 170 | DAL | TopicUnitOfWork | GetPendingList | OK | 22-Jul | ThienVH |
| 171 | DAL | TopicUnitOfWork | Approve | OK | 22-Jul | ThienVH |
| 172 | DAL | TopicUnitOfWork | Dispapprove | OK | 22-Jul | ThienVH |
| 173 | DAL | ApplicantUnitOfWork | GetApplicantByJobID | OK | 22-Jul | ThienVH |
| 174 | DAL | ApplicantUnitOfWork | ApproveApplicant | OK | 22-Jul | ThienVH |
| 175 | DAL | ApplicantUnitOfWork | RejectApplicant | OK | 22-Jul | ThienVH |
| 176 | Controller | JobController | OwList | OK | 22-Jul | ThienVH |
| 177 | Controller | JobController | Create | OK | 22-Jul | ThienVH |
| 178 | Controller | JobController | Hide | OK | 22-Jul | ThienVH |
| 179 | Controller | JobController | Display | OK | 22-Jul | ThienVH |
| 180 | Controller | TopicController | List | OK | 22-Jul | ThienVH |
| 181 | Controller | TopicController | Creat | OK | 22-Jul | ThienVH |
| 182 | Controller | TopicController | Detail | OK | 22-Jul | ThienVH |
| 183 | Controller | TopicController | OwnList | OK | 22-Jul | ThienVH |
| 184 | Controller | TopicController | Delete | OK | 22-Jul | ThienVH |
| 185 | Controller | TopicController | PendingList | OK | 22-Jul | ThienVH |
| 186 | Controller | TopicController | Approve | OK | 22-Jul | ThienVH |
| 187 | Controller | TopicController | Disapprove | OK | 22-Jul | ThienVH |
| 188 | Controller | ApplicantController | List | OK | 22-Jul | ThienVH |
| 189 | Controller | ApplicantController | Approve | OK | 22-Jul | ThienVH |
| 190 | Controller | ApplicantController | Disapprove | OK | 22-Jul | ThienVH |

## Recruiter Test Case

### Update company info

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected output** | **Number of tests** | **Result** | **Test Date** | **Note** |
| UCI01 | Update company info with blank "Tên công ty". | 1- On the Update page, do not input "Tên công ty ".  2- Click "Cập nhật". | - After step 2, message “Thông tin này bắt buộc" is showed under input "Tên công ty ". | 1 | Passed | 22/7/2015 |  |
| UCI02 | Update company info with content greater than 100 characters at "Tên công ty ". | 1- On the Update page, input content greater than 100 characters at "Tên công ty "  2- Click "Cập nhật " | - After step 2, message “Nội dung nhập vào không vượt quá 100 kí tự" is showed under "Tên công ty ". | 1 | Passed | 22/7/2015 |  |
| UCI03 | Update company info with content greater than 100 characters at "Địa chỉ". | 1- On the Update page, input content greater than 100 characters at " Địa chỉ ".  2- Click "Cập nhật ". | - After step 2, message “Nội dung nhập vào không vượt quá 100 kí tự" is showed under " Địa chỉ ". | 1 | Passed | 22/7/2015 |  |
| UCI04 | Update company info with content greater than 30 characters at "Quận". | 1- On the Update page, input content greater than 30 characters at " Quận ".  2- Click "Cập nhật ". | - After step 2, message “Nội dung nhập vào không vượt quá 30 kí tự" is showed under " Quận ". | 1 | Passed | 22/7/2015 |  |
| UCI05 | Update company info with content greater than 20 characters at "Điện thoại". | 1- On the Update page, input content greater than 20 characters at " Điện thoại ".  2- Click "Cập nhật ". | - After step 2, message “Nội dung nhập vào không vượt quá 20 kí tự" is showed under " Điện thoại ". | 1 | Passed | 22/7/2015 |  |
| UCI06 | Update company info with content not integer at " Điện thoại ". | 1- On the Update page, input content not integer at " Điện thoại ".  2- Click " Cập nhật ". | - After step 2, message “Nội dung nhập vào phải là số nguyên " is showed under " Điện thoại ". | 1 | Passed | 22/7/2015 |  |
| UCI07 | Update company info successful. | 1 - On the update page.  2 – Update the company information:   * Tên công ty * Địa chỉ * Quận * Thành Phố * Số điện thoại * Mô tả * Logo url   3- Click to “Cập nhật” button. | - After step 3, return to update page. | 1 | Pass | 22/7/2015 |  |

## Staff Test Case

### Create city

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected output** | **Number of tests** | **Result** | **Test Date** | **Note** |
| CC01 | Create new city with blank "Tên thành phố". | 1- On the Create page, do not input "Tên thành phố".  2- Click "Tạo mới". | - After step 2, message “Thông tin này bắt buộc" is showed under "Tên thành phố". | 1 | Passed | 22/7/2015 |  |
| CC02 | Create new city with content greater than 50 characters at "Tên thành phố ". | 1- On the Create page, input content greater than 50 characters at "Tên thành phố ".  2- Click "Tạo mới". | - After step 2, message “Nội dung nhập vào không vượt quá 50 kí tự" is showed under "Tên thành phố". | 1 | Passed | 22/7/2015 |  |
| CC03 | Create new city successful. | 1 - On the create page.  2 – Fill the city information:   * Tên thành phố   3- Click to “Tạo mới” button. | - After step 2, return CityList. | 1 | Passed | 22/7/2015 |  |

### Update city

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected output** | **Number of tests** | **Result** | **Test Date** | **Note** |
| UC01 | Update city with blank "Tên thành phố". | 1- On the Update page, do not input "Tên thành phố".  2- Click "Cập nhật". | - After step 2, message “Thông tin này bắt buộc" is showed under input "Tên thành phố". | 1 | Passed | 22/7/2015 |  |
| UC02 | Update city with content greater than 50 characters at "Tên thành phố ". | 1- On the Update page, input content greater than 50 characters at "Tên thành phố ".  2- Click "Cập nhật ". | - After step 2, message “Nội dung nhập vào không vượt quá 50 kí tự" is showed under "Tên thành phố". | 1 | Passed | 22/7/2015 |  |
| UC03 | Update city successful. | 1 - On the update page.  2 – Fill the city information:   * Tên thành phố   3- Click to “cập nhật” button. | - After step 2, return CityList. | 1 | Passed | 22/7/2015 |  |

### Create category

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected output** | **Number of tests** | **Result** | **Test Date** | **Note** |
| CCA01 | Create new category with blank "Tên nhóm ngành nghề". | 1- On the Create page, do not input " Tên nhóm ngành nghề ".  2- Click "Tạo mới". | - After step 2, message “Thông tin này bắt buộc" is showed under " Tên nhóm ngành nghề ". | 1 | Passed | 22/7/2015 |  |
| CCA02 | Create new category with content greater than 50 characters at " Tên nhóm ngành nghề". | 1- On the Create page, input content greater than 50 characters at " Tên nhóm ngành nghề".  2- Click "Tạo mới". | - After step 2, message “Nội dung nhập vào không vượt quá 50 kí tự" is showed under " Tên nhóm ngành nghề ". | 1 | Passed | 22/7/2015 |  |
| CCA03 | Create new category with content greater than 100 characters at " Mô tả". | 1- On the Create page, input content greater than 100 characters at " Mô tả ".  2- Click "Tạo mới". | - After step 2, message “Nội dung nhập vào không vượt quá 100 kí tự" is showed under " Mô tả ". | 1 | Passed | 22/7/2015 |  |
| CCA04 | Create new category successful. | 1 - On the create page.  2 – Fill the category information:   * Tên nhóm ngành nghề * Mô tả   3- Click to “Tạo mới” button. | - After step 2, return CategoryList. | 1 | Passed | 22/7/2015 |  |

### Update category

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected output** | **Number of tests** | **Result** | **Test Date** | **Note** |
| UCA01 | Update category with blank "Tên nhóm ngành nghề". | 1- On the Create page, do not input " Tên nhóm ngành nghề ".  2- Click "Cập nhật". | - After step 2, message “Thông tin này bắt buộc" is showed under " Tên nhóm ngành nghề ". | 1 | Passed | 22/7/2015 |  |
| UCA02 | Update category with content greater than 50 characters at " Tên nhóm ngành nghề". | 1- On the Create page, input content greater than 50 characters at " Tên nhóm ngành nghề".  2- Click " Cập nhật ". | - After step 2, message “Nội dung nhập vào không vượt quá 50 kí tự" is showed under " Tên nhóm ngành nghề ". | 1 | Passed | 22/7/2015 |  |
| UCA03 | Update category with content greater than 100 characters at " Mô tả". | 1- On the Create page, input content greater than 100 characters at " Mô tả ".  2- Click " Cập nhật ". | - After step 2, message “Nội dung nhập vào không vượt quá 100 kí tự" is showed under " Mô tả ". | 1 | Passed | 22/7/2015 |  |
| UCA04 | Update category successful. | 1 - On the update page.  2 – Fill the category information:   * Tên nhóm ngành nghề * Mô tả   3- Click to “Cập nhật” button. | - After step 2, return CategoryList. | 1 | Passed | 22/7/2015 |  |

### Create language

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected output** | **Number of tests** | **Result** | **Test Date** | **Note** |
| CL01 | Create new language with blank "Tên ngôn ngữ". | 1- On the Create page, do not input "Tên ngôn ngữ".  2- Click "Tạo mới". | - After step 2, message “Thông tin này bắt buộc" is showed under "Tên ngôn ngữ". | 1 | Passed | 22/7/2015 |  |
| CL02 | Create new language with content greater than 50 characters at "Tên ngôn ngữ". | 1- On the Create page, input content greater than 50 characters at "Tên ngôn ngữ ".  2- Click "Tạo mới". | - After step 2, message “Nội dung nhập vào không vượt quá 50 kí tự" is showed under "Tên ngôn ngữ ". | 1 | Passed | 22/7/2015 |  |
| CL03 | Create new language successful. | 1 - On the create page.  2 – Fill the language information:   * Tên ngôn ngữ   3- Click to “Tạo mới” button. | - After step 2, return LanguageList. | 1 | Passed | 22/7/2015 |  |

### Update language

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected output** | **Number of tests** | **Result** | **Test Date** | **Note** |
| UL01 | Update language with blank "Tên ngôn ngữ ". | 1- On the Update page, do not input "Tên ngôn ngữ ".  2- Click "Cập nhật". | - After step 2, message “Thông tin này bắt buộc" is showed under input "Tên ngôn ngữ ". | 1 | Passed | 22/7/2015 |  |
| UL02 | Update language with content greater than 50 characters at "Tên ngôn ngữ ". | 1- On the Update page, input content greater than 50 characters at "Tên ngôn ngữ ".  2- Click "Cập nhật ". | - After step 2, message “Nội dung nhập vào không vượt quá 50 kí tự" is showed under " Tên ngôn ngữ ". | 1 | Passed | 22/7/2015 |  |
| UL03 | Update language successful. | 1 - On the update page.  2 – Fill the language information:   * Tên ngôn ngữ   3- Click to “Tạo mới” button. | - After step 2, return LanguageList. | 1 | Passed | 22/7/2015 |  |

### Create job level

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected output** | **Number of tests** | **Result** | **Test Date** | **Note** |
| CJL01 | Create new job level with blank "Tên cấp bậc" and "Hệ số cấp bậc". | 1- On the Create page, do not input "Tên cấp bậc " and " Hệ số cấp bậc ".  2- Click "Tạo mới". | - After step 2, message “Thông tin này bắt buộc" is showed under " Tên cấp bậc " and " Hệ số cấp bậc ". | 1 | Passed | 22/7/2015 |  |
| CJL02 | Create new job level with content greater than 50 characters at " Tên cấp bậc ". | 1- On the Create page, input content greater than 50 characters at "Tên cấp bậc ".  2- Click "Tạo mới". | - After step 2, message “Nội dung nhập vào không vượt quá 50 kí tự" is showed under " Tên cấp bậc ". | 1 | Passed | 22/7/2015 |  |
| CJL03 | Create new job level with content not integer at " Hệ số cấp bậc ". | 1- On the Create page, input content not integer at " Hệ số cấp bậc ".  2- Click "Tạo mới". | - After step 2, message “Nội dung nhập vào phải là số nguyên " is showed under " Hệ số cấp bậc ". | 1 | Passed | 22/7/2015 |  |
| CJL04 | Create new job level successful. | 1 - On the create page.  2 – Fill the job level information:   * Tên cấp bậc * Hệ số cấp bậc   3- Click to “Tạo mới” button. | - After step 2, return JobLevelList. | 1 | Passed | 22/7/2015 |  |

### Update job level

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected output** | **Number of tests** | **Result** | **Test Date** | **Note** |
| UJL01 | Update job level with blank "Tên cấp bậc" and "Hệ số cấp bậc". | 1- On the Update page, do not input " Tên cấp bậc " and " Hệ số cấp bậc ".  2- Click "Cập nhật". | - After step 2, message “Thông tin này bắt buộc" is showed under " Tên cấp bậc " and " Hệ số cấp bậc ". | 1 | Passed | 22/7/2015 |  |
| UJL02 | Update job level with content greater than 50 characters at " Tên cấp bậc ". | 1- On the Update page, input content greater than 50 characters at " Tên cấp bậc ".  2- Click " Cập nhật ". | - After step 2, message “Nội dung nhập vào không vượt quá 50 kí tự" is showed under " Tên cấp bậc ". | 1 | Passed | 22/7/2015 |  |
| UJL03 | Update job level with content not integer at " Hệ số cấp bậc ". | 1- On the Update page, input content not integer at " Hệ số cấp bậc ".  2- Click " Cập nhật ". | - After step 2, message “Nội dung nhập vào phải là số nguyên " is showed under " Hệ số cấp bậc ". | 1 | Passed | 22/7/2015 |  |
| UJL04 | Update job level successful. | 1 - On the update page.  2 – Fill the job level information:   * Tên cấp bậc * Hệ số cấp bậc   3- Click to “Tạo mới” button. | - After step 2, return JobLevelList. | 1 | Passed | 22/7/2015 |  |

### Create school level

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected output** | **Number of tests** | **Result** | **Test Date** | **Note** |
| CSL01 | Create new school level with blank " Tên bằng cấp " and "Hệ số cấp bậc". | 1- On the Create page, do not input " Tên bằng cấp " and " Hệ số cấp bậc ".  2- Click "Tạo mới". | - After step 2, message “Thông tin này bắt buộc" is showed under " Tên bằng cấp " and " Hệ số cấp bậc ". | 1 | Passed | 22/7/2015 |  |
| CSL02 | Create new school level with content greater than 50 characters at " Tên bằng cấp ". | 1- On the Create page, input content greater than 50 characters at "Tên bằng cấp ".  2- Click "Tạo mới". | - After step 2, message “Nội dung nhập vào không vượt quá 50 kí tự" is showed under " Tên bằng cấp ". | 1 | Passed | 22/7/2015 |  |
| CSL03 | Create new school level with content not integer at " Hệ số cấp bậc ". | 1- On the Create page, input content not integer at " Hệ số cấp bậc ".  2- Click "Tạo mới". | - After step 2, message “Nội dung nhập vào phải là số nguyên " is showed under " Hệ số cấp bậc ". | 1 | Passed | 22/7/2015 |  |
| CSL04 | Create new school level successful. | 1 - On the create page.  2 – Fill the school level information:   * Tên bằng cấp * Hệ số cấp bậc   3- Click to “Tạo mới” button. | - After step 2, return SchoolLevelList. | 1 | Passed | 22/7/2015 |  |

### Update school level

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected output** | **Number of tests** | **Result** | **Test Date** | **Note** |
| USL01 | Update school level with blank "Tên bằng cấp " and "Hệ số cấp bậc". | 1- On the Update page, do not input " Tên bằng cấp " and " Hệ số cấp bậc ".  2- Click "Cập nhật". | - After step 2, message “Thông tin này bắt buộc" is showed under " Tên bằng cấp " and " Hệ số cấp bậc ". | 1 | Passed | 22/7/2015 |  |
| USL02 | Update school level with content greater than 50 characters at " Tên bằng cấp ". | 1- On the Update page, input content greater than 50 characters at " Tên bằng cấp ".  2- Click " Cập nhật ". | - After step 2, message “Nội dung nhập vào không vượt quá 50 kí tự" is showed under " Tên bằng cấp ". | 1 | Passed | 22/7/2015 |  |
| USL03 | Update school level with content not integer at " Hệ số cấp bậc ". | 1- On the Update page, input content not integer at "Tên cấp bậc ".  2- Click " Cập nhật ". | - After step 2, message “Nội dung nhập vào phải là số nguyên " is showed under " Hệ số cấp bậc ". | 1 | Passed | 22/7/2015 |  |
| USL04 | Update school level successful. | 1 - On the update page.  2 – Fill the school level information:   * Tên bằng cấp * Hệ số cấp bậc   3- Click to “Tạo mới” button. | - After step 2, return SchoolLevelList. | 1 | Passed | 22/7/2015 |  |

### Create level

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected output** | **Number of tests** | **Result** | **Test Date** | **Note** |
| CL01 | Create new level with blank " Tên trình độ ngôn ngữ " and "Hệ số cấp bậc". | 1- On the Create page, do not input " Tên trình độ ngôn ngữ " and " Hệ số cấp bậc ".  2- Click "Tạo mới". | - After step 2, message “Thông tin này bắt buộc" is showed under " Tên trình độ ngôn ngữ " and " Hệ số cấp bậc ". | 1 | Passed | 22/7/2015 |  |
| CL02 | Create new level with content greater than 50 characters at " Tên trình độ ngôn ngữ ". | 1- On the Create page, input content greater than 50 characters at "Tên trình độ ngôn ngữ ".  2- Click "Tạo mới". | - After step 2, message “Nội dung nhập vào không vượt quá 50 kí tự" is showed under " Tên trình độ ngôn ngữ ". | 1 | Passed | 22/7/2015 |  |
| CL03 | Create new level with content not integer at " Hệ số cấp bậc ". | 1- On the Create page, input content not integer at " Hệ số cấp bậc ".  2- Click "Tạo mới". | - After step 2, message “Nội dung nhập vào phải là số nguyên " is showed under " Hệ số cấp bậc ". | 1 | Passed | 22/7/2015 |  |
| CL04 | Create new level successful. | 1 - On the create page.  2 – Fill the level information:   * Tên trình độ ngôn ngữ * Hệ số cấp bậc   3- Click to “Tạo mới” button. | - After step 2, return LevelList. | 1 | Passed | 22/7/2015 |  |

### Update school level

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected output** | **Number of tests** | **Result** | **Test Date** | **Note** |
| UL01 | Update level with blank "Tên trình độ ngôn ngữ " and "Hệ số cấp bậc". | 1- On the Update page, do not input " Tên trình độ ngôn ngữ " and " Hệ số cấp bậc ".  2- Click "Cập nhật". | - After step 2, message “Thông tin này bắt buộc" is showed under " Tên trình độ ngôn ngữ " and " Hệ số cấp bậc ". | 1 | Passed | 22/7/2015 |  |
| UL02 | Update level with content greater than 50 characters at " Tên trình độ ngôn ngữ ". | 1- On the Update page, input content greater than 50 characters at " Tên trình độ ngôn ngữ ".  2- Click " Cập nhật ". | - After step 2, message “Nội dung nhập vào không vượt quá 50 kí tự" is showed under " Tên trình độ ngôn ngữ ". | 1 | Passed | 22/7/2015 |  |
| UL03 | Update level with content not integer at " Hệ số cấp bậc ". | 1- On the Update page, input content not integer at "Tên cấp bậc ".  2- Click " Cập nhật ". | - After step 2, message “Nội dung nhập vào phải là số nguyên " is showed under " Hệ số cấp bậc ". | 1 | Passed | 22/7/2015 |  |
| UL04 | Update new level successful. | 1 - On the update page.  2 – Fill the level information:   * Tên trình độ ngôn ngữ * Hệ số cấp bậc   3- Click to “Tạo mới” button. | - After step 2, return LevelList. | 1 | Passed | 22/7/2015 |  |