

**SOFTWARE REQUIREMENTS SPECIFICATION**

**Hanoi, June 19th, 2020**

**Table of Contents**

[**Software Requirement Specification**](#_30j0zll) **54**

[**1. Purpose**](#_1fob9te) **54**

[**2. System requirement specification**](#_1fob9te) **54**

[**2.1. External interface requirements**](#_1fob9te) **54**

[**2.1.1. User interfaces**](#_1fob9te) **54**

[**2.1.2. Hardware interfaces**](#_1fob9te) **54**

[**2.1.3. Software interfaces**](#_1fob9te) **54**

[***2.1.4. Communications protocol***](#_54unvhdzca4a) ***54***

[**2.2. System features**](#_1fob9te) **54**

[2.2.1. Use case diagram](#_lqgfq4ksan40) 54

[2.2.2. Use cases](#_c8ow8twdygmb) 59

[**2.2.3.1. Use case 01: View recruitment process**](#_1fob9te) **61**

[**USE CASE-01 SPECIFICATION**](#_1fob9te) **62**

[**Use-case No.**](#_1fob9te) **62**

[**<UC01>**](#_1fob9te) **62**

[**Use-case Version**](#_1fob9te) **62**

[**<1.0>**](#_1fob9te) **62**

[**Use-case Name**](#_1fob9te) **62**

[**Author**](#_1fob9te) **62**

[**TungBT**](#_1fob9te) **62**

[**Date**](#_1fob9te) **62**

[**18/07/2020**](#_1fob9te) **62**

[**Priority**](#_1fob9te) **62**

[**Low**](#_1fob9te) **62**

[Actor](#_euf9ej141n4x) 62

[**Candidate**](#_1fob9te) **62**

[Summary](#_f3pfgtrq73au) 62

[**Candidate views information about recruitment process of FPT Education**](#_1fob9te) **62**

[Goal](#_827xxkk0xpw9) 62

[**Display information about recruitment process**](#_1fob9te) **62**

[Triggers](#_v7gn11ek3de7) 62

[**Candidate clicks on the link “Quy trình tuyển dụng” in the footer**](#_1fob9te) **62**

[Preconditions](#_23mp6mk81ooi) 62

[N/A](#_z5le6y2kv0rm) 62

[Post Conditions](#_ilv4lir777wg) 62

[Candidate view information about recruitment process of FPT Education](#_nt7zlm8dhlq9) 62

[Main Success Scenario](#_7ys3abdzn5p9) 62

[Alternative Scenario](#_jtm2my7v2ghk) 62

[N/A](#_w5p65bfziax6) 62

[Exceptions](#_smfq84dd6hrc) 62

[Business Rules](#_fydw91ufbfnr) 62

[N/A](#_hjslas5heesd) 62

[2.2.3.2. Use case 02: View home](#_115phhgwthtw) 63

[**USE CASE-02 SPECIFICATION**](#_1fob9te) **63**

[**Use-case No.**](#_1fob9te) **63**

[**<UC02>**](#_1fob9te) **63**

[**Use-case Version**](#_1fob9te) **63**

[**<1.0>**](#_1fob9te) **63**

[**Use-case Name**](#_1fob9te) **63**

[**View home**](#_1fob9te) **63**

[**Author**](#_1fob9te) **63**

[**TungBT**](#_1fob9te) **63**

[**Date**](#_1fob9te) **63**

[**18/07/2020**](#_1fob9te) **63**

[**Priority**](#_1fob9te) **63**

[**High**](#_1fob9te) **63**

[Actor](#_vnp67pdz4e28) 63

[**Candidate**](#_1fob9te) **63**

[Summary](#_ph026gm7e8qb) 63

[**Candidate view information in home page**](#_1fob9te) **63**

[Goal](#_izkb1fb25eu5) 63

[**Display information in home page**](#_1fob9te) **63**

[Triggers](#_qtr29dfb2v6r) 1

[**Candidate visit the website in the browser**](#_1fob9te) **63**

[Preconditions](#_r5j6fuvvpvsg) 63

[**N/A**](#_1fob9te) **63**

[Post Conditions](#_31nx56n7ciyu) 63

[Candidate view information in home page](#_vfsev5cxzc8q) 63

[Main Success Scenario](#_85telawrpkbv) 63

[Alternative Scenario](#_lknmg33bzqau) 64

[N/A](#_p68rjd2x6xuz) 64

[Exceptions](#_jl8y52pzazg8) 1

[**N/A**](#_1fob9te) **64**

[Business Rules](#_mjbapr9vrlcd) 64

[**N/A**](#_1fob9te) **64**

[**2.2.3.3 Use case 03: View all jobs**](#_1fob9te) **64**

[**USE CASE-03 SPECIFICATION**](#_1fob9te) **1**

[**Use-case No.**](#_1fob9te) **1**

[**<UC03>**](#_1fob9te) **1**

[**Use-case Version**](#_1fob9te) **64**

[**<1.0>**](#_1fob9te) **64**

[**Use-case Name**](#_1fob9te) **64**

[**Author**](#_1fob9te) **1**

[**TungBT**](#_1fob9te) **64**

[**Date**](#_1fob9te) **64**

[**18/07/2020**](#_1fob9te) **64**

[**Priority**](#_1fob9te) **64**

[**Medium**](#_1fob9te) **64**

[Actor](#_xdf2id6a8tta) 64

[**Candidate**](#_1fob9te) **64**

[Summary](#_nsh5x5sufsb2) 64

[**Candidate views list of all the jobs that are in need of recruitment**](#_1fob9te) **64**

[Goal](#_qkdnd31te6uy) 64

[**Display list of all jobs that are in need of recruitment**](#_1fob9te) **64**

[Triggers](#_mkdekf262xdm) 64

[**Click on the link “Vị trí tuyển dụng” on the header**](#_1fob9te) **64**

[Preconditions](#_w8uxsdyd7ael) 64

[**N/A**](#_1fob9te) **64**

[Post Conditions](#_37npv7nlqe1q) 64

[View list of all jobs](#_t5ywsj76rrpv) 64

[Main Success Scenario](#_iozumc9udvuh) 64

[Alternative Scenario](#_b58czf3sdatv) 65

[N/A](#_q1g86ajlrrya) 65

[Exceptions](#_njc8c9ikhhb8) 1

[**N/A**](#_1fob9te) **65**

[Business Rules](#_7vhu1m5s9s3i) 65

[N/A](#_c5nopyqmtnzf) 65

[2.2.3.4. Use case 04: View list jobs by region](#_fut1k9mas34a) 65

[**USE CASE-04 SPECIFICATION**](#_1fob9te) **65**

[**Use-case No.**](#_1fob9te) **65**

[**<UC04>**](#_1fob9te) **65**

[**Use-case Version**](#_1fob9te) **65**

[**<1.0>**](#_1fob9te) **65**

[**Use-case Name**](#_1fob9te) **65**

[**View list jobs by region**](#_1fob9te) **65**

[**Author**](#_1fob9te) **65**

[**TungBT**](#_1fob9te) **65**

[**Date**](#_1fob9te) **65**

[**18/07/2020**](#_1fob9te) **65**

[**Priority**](#_1fob9te) **65**

[**Medium**](#_1fob9te) **65**

[Actor](#_nfkisbuxqyip) 65

[**Candidate**](#_1fob9te) **65**

[Summary](#_1ey3eshfvlnv) 65

[**Candidate views list of all jobs filtered by a region**](#_1fob9te) **65**

[Goal](#_2wwjxvtb571) 65

[**View list jobs filtered by a region**](#_1fob9te) **65**

[Triggers](#_wr95t8hmgpi9) 1

[**Click button “Xem thêm” on a section job of a region**](#_1fob9te) **65**

[Preconditions](#_e7bcrepi6lq3) 65

[**N/A**](#_1fob9te) **65**

[Post Conditions](#_c1u7m0tvjafr) 65

[View list jobs filtered by a region](#_msmszd8e6mwn) 65

[Main Success Scenario](#_ip7zxre609a3) 1

[Click button “Xem thêm” on a section job of a region](#_w6ihdyv9w8yt) 65

[Alternative Scenario](#_gby01qnr4p5h) 66

[N/A](#_o37qa3s82wcr) 66

[Exceptions](#_kh98m6605ore) 1

[**N/A**](#_1fob9te) **1**

[Business Rules](#_di61adrdsydw) 66

[N/A](#_xffvmueu6a5w) 66

[2.2.3.5. Use case 05: View list jobs by unit](#_dyeddrhl9u79) 66

[**USE CASE-05 SPECIFICATION**](#_1fob9te) **66**

[**Use-case No.**](#_1fob9te) **66**

[**<UC05>**](#_1fob9te) **66**

[**Use-case Version**](#_1fob9te) **66**

[**<1.0>**](#_1fob9te) **66**

[**Use-case Name**](#_1fob9te) **66**

[**View list jobs by unit**](#_1fob9te) **66**

[**Author**](#_1fob9te) **1**

[**TungBT**](#_1fob9te) **66**

[**Date**](#_1fob9te) **66**

[**18/07/2020**](#_1fob9te) **66**

[**Priority**](#_1fob9te) **66**

[**Medium**](#_1fob9te) **66**

[Actor](#_96e7bv95cg2d) 66

[Candidate](#_ktnbhi2r84vc) 66

[Summary](#_dni1p1guf8jf) 66

[Candidate views list of all jobs filtered by an unit](#_h8t8bnrrkbfm) 66

[Goal](#_d5pxept4c07s) 66

[View list jobs filtered by an unit](#_bpfxfry34b9i) 66

[Triggers](#_5cehhxtvklta) 1

[Click on the unit link in the "Các vị trí tuyển dụng" section on the home page](#_dwen1jrphf0j) 66

[Preconditions](#_vfjyztx21t91) 66

[N/A](#_hcb7nhg8zlt0) 66

[Post Conditions](#_t32c438jhjqg) 66

[View list jobs filtered by an unit](#_cq8gh0rxw82m) 66

[Main Success Scenario](#_lv10sxm4mouv) 1

[Click on the unit link in the "Các vị trí tuyển dụng" section on the home page](#_sjdu2ka9o1fv) 66

[Alternative Scenario](#_x0ynrb12xewj) 67

[N/A](#_735a0gfctghw) 67

[Exceptions](#_eblv69260lhi) 1

[**N/A**](#_1fob9te) **1**

[Business Rules](#_gocpcehzjnnv) 67

[N/A](#_3yop27hmy21t) 67

[**2.2.3.6 Use case 06: View job detail**](#_1fob9te) **67**

[**USE CASE-06 SPECIFICATION**](#_1fob9te) **67**

[**Use-case No.**](#_1fob9te) **67**

[**<UC06>**](#_1fob9te) **67**

[**Use-case Version**](#_1fob9te) **67**

[**<1.0>**](#_1fob9te) **67**

[**Use-case Name**](#_1fob9te) **67**

[**Author**](#_1fob9te) **67**

[**TungBT**](#_1fob9te) **67**

[**Date**](#_1fob9te) **1**

[**18/07/2020**](#_1fob9te) **67**

[**Priority**](#_1fob9te) **67**

[**Medium**](#_1fob9te) **67**

[Actor](#_a7svpolsp1lo) 67

[**Candidate**](#_1fob9te) **67**

[Summary](#_iym1aqiki1o3) 67

[**Candidate view detailed information about a job**](#_1fob9te) **67**

[Goal](#_p9mldee4asb) 67

[**Display detailed information about a job**](#_1fob9te) **67**

[Triggers](#_lbzo8oaihzhg) 1

[**Candidate click on a job**](#_1fob9te) **67**

[Preconditions](#_xbp95ot90wwg) 67

[**N/A**](#_1fob9te) **67**

[Post Conditions](#_9vyc22niw7q4) 67

[Candidate view detailed information about a job](#_eutaep39hsoi) 67

[Main Success Scenario](#_85telawrpkbv) 67

[Alternative Scenario](#_lknmg33bzqau) 67

[Alternative Scenario 1:](#_ic4zv5s1aiu6) 68

[Alternative Scenario 2:](#_kbrcbuvy0gui) 68

[Exceptions](#_moazsilt2pj3) 68

[**N/A**](#_1fob9te) **68**

[Business Rules](#_jg7e89htqaao) 69

[**N/A**](#_1fob9te) **69**

[**2.2.3.7 Use case 07: Search job**](#_1fob9te) **69**

[**USE CASE-07 SPECIFICATION**](#_1fob9te) **69**

[**Use-case No.**](#_1fob9te) **69**

[**<UC07>**](#_1fob9te) **69**

[**Use-case Version**](#_1fob9te) **69**

[**<1.0>**](#_1fob9te) **69**

[**Use-case Name**](#_1fob9te) **69**

[**Author**](#_1fob9te) **69**

[**TungBT**](#_1fob9te) **69**

[**Date**](#_1fob9te) **69**

[**18/07/2020**](#_1fob9te) **69**

[**Priority**](#_1fob9te) **69**

[**Medium**](#_1fob9te) **69**

[Actor](#_rvr4rcadpux6) 69

[**Candidate**](#_1fob9te) **69**

[Summary](#_u6bks63lvkwh) 69

[**Candidate find a job that he/she needs**](#_1fob9te) **69**

[Goal](#_v92cajb58seb) 1

[**Display list of job filter by some input searching**](#_1fob9te) **69**

[Triggers](#_loqqhpfz9lcz) 69

[**Candidate chooses the options in filter menu (homepage) then click “Tìm kiếm”**](#_1fob9te) **69**

[Preconditions](#_r3uac36hczkh) 69

[**N/A**](#_1fob9te) **69**

[Post Conditions](#_gds87xd969kj) 69

[Candidate find a job that candidate needs](#_vrv08ku1nf1t) 69

[Main Success Scenario](#_85telawrpkbv) 1

[Alternative Scenario](#_lknmg33bzqau) 69

[N/A](#_cbifwfkzedlg) 70

[Exceptions](#_gsivx8snbpsr) 1

[**N/A**](#_1fob9te) **1**

[Business Rules](#_mjhrp7jsi4) 70

[**2.2.3.8 Use case 08: Create CV**](#_1fob9te) **1**

[**USE CASE-08 SPECIFICATION**](#_1fob9te) **70**

[**Use-case No.**](#_1fob9te) **70**

[**<UC08>**](#_1fob9te) **70**

[**Use-case Version**](#_1fob9te) **70**

[**<1.0>**](#_1fob9te) **1**

[**Use-case Name**](#_1fob9te) **70**

[**Author**](#_1fob9te) **70**

[**TungBT**](#_1fob9te) **70**

[**Date**](#_1fob9te) **1**

[**18/07/2020**](#_1fob9te) **70**

[**Priority**](#_1fob9te) **70**

[**High**](#_1fob9te) **70**

[Actor](#_t29fr29frvbf) 70

[**Candidate**](#_1fob9te) **70**

[Summary](#_83cf6o9jz50l) 70

[**Candidate create a CV to apply job**](#_1fob9te) **70**

[Goal](#_1fh4fvww28no) 1

[**Create CV a basic CV**](#_1fob9te) **1**

[Triggers](#_fcmcq73c4586) 70

[**Candidate click “Chưa có CV” on modal dialog**](#_1fob9te) **70**

[Preconditions](#_1ds9ojbm44w2) 70

[Post Conditions](#_ccp51doo9z6f) 70

[Candidate create a CV](#_8kvz1ia7pxo1) 70

[Main Success Scenario](#_85telawrpkbv) 70

[Alternative Scenario](#_lknmg33bzqau) 71

[Exceptions](#_eeod8f7o70za) 72

[**N/A**](#_1fob9te) **72**

[Business Rules](#_l7m164h3tumi) 72

[**2.2.3.9 Use case 09: Upload CV**](#_1fob9te) **72**

[**USE CASE-09 SPECIFICATION**](#_1fob9te) **72**

[**Use-case No.**](#_1fob9te) **72**

[**<UC09>**](#_1fob9te) **72**

[**Use-case Version**](#_1fob9te) **72**

[**<1.0>**](#_1fob9te) **72**

[**Use-case Name**](#_1fob9te) **72**

[**Upload CV**](#_1fob9te) **72**

[**Author**](#_1fob9te) **72**

[**TungBT**](#_1fob9te) **72**

[**Date**](#_1fob9te) **1**

[**18/07/2020**](#_1fob9te) **72**

[**Priority**](#_1fob9te) **72**

[**High**](#_1fob9te) **72**

[Actor](#_50uj4zxflaoi) 72

[**Candidate**](#_1fob9te) **72**

[Summary](#_mrs1orsalfdd) 72

[**Once the candidate has a CV, he can upload it to the system**](#_1fob9te) **72**

[Goal](#_gjp1tqelnirp) 72

[**Upload CV to the system to apply a job**](#_1fob9te) **72**

[Triggers](#_ct97jzq15o3) 72

[Candidate click “Upload CV” on modal dialog](#_g8rnz3rd7blb) 72

[Preconditions](#_9673ntq66g1w) 72

[Post Conditions](#_lrp1w4v2pxwk) 72

[Upload CV to the system](#_o6xrukwomvwj) 72

[Main Success Scenario](#_85telawrpkbv) 72

[Alternative Scenario](#_lknmg33bzqau) 1

[Exceptions](#_6wo1jph24bso) 1

[Business Rules](#_mog3xqr4mzut) 74

[**2.2.3.10 Use case 10: Register potential candidate**](#_1fob9te) **74**

[**USE CASE-10 SPECIFICATION**](#_1fob9te) **74**

[**Use-case No.**](#_1fob9te) **1**

[**<UC10>**](#_1fob9te) **1**

[**Use-case Version**](#_1fob9te) **74**

[**<1.0>**](#_1fob9te) **74**

[**Use-case Name**](#_1fob9te) **74**

[**Register potential candidate**](#_1fob9te) **74**

[**Author**](#_1fob9te) **1**

[**TungBT**](#_1fob9te) **1**

[**Date**](#_1fob9te) **74**

[**18/07/2020**](#_1fob9te) **74**

[**Priority**](#_1fob9te) **74**

[**Low**](#_1fob9te) **74**

[Actor](#_mcraooln1zsy) 74

[**Candidate**](#_1fob9te) **74**

[Summary](#_3g6wtv8w9ek5) 74

[**When the candidate has not found the desired job, but they intend to apply in the future, they can leave personal information for HR staff to advise them.**](#_1fob9te) **74**

[Goal](#_6uakpxw3wb09) 74

[**Candidate register information**](#_1fob9te) **74**

[Triggers](#_gqti0kpxhpu) 74

[**Candidate clicks on the button “Đăng ký” in Homepage**](#_1fob9te) **74**

[Preconditions](#_ov88ojcwr231) 74

[**N/A**](#_1fob9te) **74**

[Post Conditions](#_hzl30qx8cjxx) 74

[**Candidate submit form to send information to the system**](#_1fob9te) **74**

[Main Success Scenario](#_85telawrpkbv) 74

[Alternative Scenario](#_lknmg33bzqau) 75

[Exceptions](#_o5jniyojstn1) 75

[N/A](#_lwa5ei85kn9c) 75

[Business Rules](#_a2uwhzfru1ff) 75

[**2.2.3.11 Use case 11: Edit CV**](#_1fob9te) **75**

[**USE CASE-11 SPECIFICATION**](#_1fob9te) **75**

[**Use-case No.**](#_1fob9te) **1**

[**<UC11>**](#_1fob9te) **1**

[**Use-case Version**](#_1fob9te) **75**

[**<1.0>**](#_1fob9te) **75**

[**Use-case Name**](#_1fob9te) **75**

[**Author**](#_1fob9te) **75**

[**TungBT**](#_1fob9te) **75**

[**Date**](#_1fob9te) **75**

[**18/07/2020**](#_1fob9te) **75**

[**Priority**](#_1fob9te) **75**

[**Medium**](#_1fob9te) **75**

[Actor](#_rpetdovgn8og) 75

[**Candidate**](#_1fob9te) **75**

[Summary](#_c8dkuvz4blo5) 75

[**After successfully creating a simple CV on the system, an email will be sent to the candidate, including a link to the page where candidates can edit their CV.**](#_1fob9te) **75**

[Goal](#_8pkqxs59d91g) 75

[**Edit the CV**](#_1fob9te) **75**

[Triggers](#_lf3sdo5tb8jl) 75

[N/A](#_4b4r56sow6t) 75

[Preconditions](#_m7d6zgc43n3m) 76

[Candidates successfully submit their CV by creating it directly on the system](#_8gcwci7e4h3x) 76

[Post Conditions](#_4dkisfl8jqls) 76

[Edit the CV](#_ex9kv8dj6xjk) 76

[Main Success Scenario](#_mq5560pa9ulq) 76

[Alternative Scenario](#_1ayej9lcrilo) 76

[N/A](#_fsjc1bfr2e7h) 76

[Exceptions](#_xloyyjqbo9vh) 76

[N/A](#_u58v5skxgvw0) 76

[Business Rules](#_m8arjsgoy59c) 76

[**2.2.3.12. Use case 12: Take quiz**](#_1fob9te) **77**

[**USE CASE-12 SPECIFICATION**](#_1fob9te) **77**

[**Use-case No.**](#_1fob9te) **1**

[**<UC12>**](#_1fob9te) **1**

[**Use-case Version**](#_1fob9te) **77**

[**<1.0>**](#_1fob9te) **77**

[**Use-case Name**](#_1fob9te) **77**

[**Take quiz**](#_1fob9te) **77**

[**Author**](#_1fob9te) **77**

[**TungBT**](#_1fob9te) **77**

[**Date**](#_1fob9te) **77**

[**18/07/2020**](#_1fob9te) **77**

[**Priority**](#_1fob9te) **77**

[**Medium**](#_1fob9te) **77**

[Actor](#_ljmhu9vz7qe4) 77

[**Candidate**](#_1fob9te) **77**

[Summary](#_hzrw8jybv4r6) 77

[**Candidate received a document about FPT Education to learn about FE, then do a small quiz**](#_1fob9te) **77**

[Goal](#_g8xwl5a1jnw) 77

[**Help candidate to understand more about FPT Education**](#_1fob9te) **77**

[Triggers](#_u24nnhmylg1z) 77

[**N/A**](#_1fob9te) **77**

[Preconditions](#_yv36kepj4ix9) 1

[**HR Staff clicks send mail to the candidate to take quiz**](#_1fob9te) **77**

[Post Conditions](#_1ha4bx5pervf) 77

[**Candidate do a small quiz about FPT Education**](#_1fob9te) **77**

[Main Success Scenario](#_85telawrpkbv) 77

[Alternative Scenario](#_lknmg33bzqau) 78

[N/A](#_z8raeupn4qo8) 78

[Exceptions](#_r3izmz3myngj) 78

[**N/A**](#_1fob9te) **78**

[Business Rules](#_d750bk1ppdut) 78

[**Each question has one or more right answers**](#_1fob9te) **78**

[2.2.3.13 Use case 13: View all accounts](#_i5kzmljyvbj6) 79

[**USE CASE-13 SPECIFICATION**](#_1fob9te) **79**

[**Use-case No.**](#_1fob9te) **79**

[**<UC13>**](#_1fob9te) **79**

[**Use-case Version**](#_1fob9te) **79**

[**<1.0>**](#_1fob9te) **79**

[**Use-case Name**](#_1fob9te) **79**

[**View all accounts**](#_1fob9te) **79**

[**Author**](#_1fob9te) **79**

[**TungBT**](#_1fob9te) **79**

[**Date**](#_1fob9te) **79**

[**18/07/2020**](#_1fob9te) **79**

[**Priority**](#_1fob9te) **79**

[**Medium**](#_1fob9te) **79**

[Actor](#_lulmj01uqqy3) 79

[**Super Admin**](#_1fob9te) **79**

[Summary](#_rip1esq8i5r0) 1

[**Super Admin view all accounts in the system**](#_1fob9te) **79**

[Goal](#_r61kie6s8uk6) 79

[**View all accounts in the system**](#_1fob9te) **79**

[Triggers](#_bx54jrif477j) 79

[**Super Admin clicks tab “Quản lý tài khoản” on the sidebar of admin dashboard**](#_1fob9te) **79**

[Preconditions](#_xf9pcbcyghtf) 79

[**User has successfully logged in to the system as the Super Admin role**](#_1fob9te) **79**

[Post Conditions](#_tzq1ezhialkg) 79

[**Super Admin views table of accounts**](#_1fob9te) **79**

[Main Success Scenario](#_85telawrpkbv) 79

[Alternative Scenario](#_lknmg33bzqau) 80

[N/A](#_ou23iz7yhsp0) 80

[Exceptions](#_4azz46bes0s4) 80

[**N/A**](#_1fob9te) **80**

[Business Rules](#_w95dubif44jk) 80

[**N/A**](#_1fob9te) **80**

[**2.2.3.14. Use case 14: Add account**](#_1fob9te) **80**

[**USE CASE-14 SPECIFICATION**](#_1fob9te) **80**

[**Use-case No.**](#_1fob9te) **80**

[**<UC14>**](#_1fob9te) **80**

[**Use-case Version**](#_1fob9te) **80**

[**<1.0>**](#_1fob9te) **80**

[**Use-case Name**](#_1fob9te) **80**

[**Add account**](#_1fob9te) **80**

[**Author**](#_1fob9te) **80**

[**TungBT**](#_1fob9te) **80**

[**Date**](#_1fob9te) **80**

[**18/07/2020**](#_1fob9te) **80**

[**Priority**](#_1fob9te) **80**

[**Medium**](#_1fob9te) **80**

[Actor](#_ab190ogmu8sl) 80

[**Super Admin**](#_1fob9te) **80**

[Summary](#_knct0ofm6d1w) 80

[**Super Admin adds an account to the system**](#_1fob9te) **80**

[Goal](#_km9rnh5xujh) 80

[**Add a new account**](#_1fob9te) **80**

[Triggers](#_k86u6rd374lx) 80

[**Super Admin clicks “Tạo tài khoản mới” button on account management page**](#_1fob9te) **80**

[Preconditions](#_7mh5x67jukuy) 80

[**User has successfully logged in to the system as the Super Admin role**](#_1fob9te) **80**

[Post Conditions](#_xhnakx5mpbzm) 80

[Add a new account to the system](#_hrpfxkrse9wr) 80

[Main Success Scenario](#_85telawrpkbv) 80

[Alternative Scenario](#_lknmg33bzqau) 81

[N/A](#_jswirywrktmi) 81

[Exceptions](#_5jjwy3b8n13p) 81

[**N/A**](#_1fob9te) **81**

[Business Rules](#_3g1bk5x37toq) 81

[**Email must be valid type of email and not duplicate**](#_1fob9te) **81**

[**2.2.3.15. Use case 15: Edit account**](#_1fob9te) **81**

[**USE CASE-15 SPECIFICATION**](#_1fob9te) **81**

[**Use-case No.**](#_1fob9te) **81**

[**<UC15>**](#_1fob9te) **81**

[**Use-case Version**](#_1fob9te) **81**

[**<1.0>**](#_1fob9te) **81**

[**Use-case Name**](#_1fob9te) **81**

[**Edit account**](#_1fob9te) **81**

[**Author**](#_1fob9te) **81**

[**TungBT**](#_1fob9te) **81**

[**Date**](#_1fob9te) **81**

[**18/07/2020**](#_1fob9te) **81**

[**Priority**](#_1fob9te) **81**

[**Medium**](#_1fob9te) **81**

[Actor](#_nytcljdn337j) 81

[**Super Admin**](#_1fob9te) **81**

[Summary](#_dxpa5g8k56x1) 1

[User has successfully logged in to the system as the Super Admin role](#_e22x62nkl0zw) 81

[Goal](#_efwbr71gd9s7) 81

[Edit an existing account](#_4srwaw3x206i) 81

[Triggers](#_3cgma65tr132) 81

[Super Admin clicks “Sửa” button on an account when view all accounts](#_9wsehb4vco0v) 81

[Preconditions](#_7ynr1jtuqqan) 81

[User has successfully logged in to the system as the Super Admin role](#_xru3d2hoggyp) 81

[Post Conditions](#_pdjwhbip61gu) 81

[Edit information about the account](#_fw0vq65lb7od) 81

[Main Success Scenario](#_7g2px3tm77fm) 81

[Alternative Scenario](#_iq1v88etare3) 82

[N/A](#_w1s6pmsv51wb) 1

[Exceptions](#_c83d7iekrwx3) 82

[N/A](#_dpw3j7jnqrtt) 82

[Business Rules](#_alxeko4x7pi3) 82

[Email must be valid type of email and not duplicate](#_jyfjtshiadln) 82

[**2.2.3.16. Use case 16: Delete account**](#_1fob9te) **82**

[**USE CASE-16 SPECIFICATION**](#_1fob9te) **82**

[**Use-case No.**](#_1fob9te) **82**

[**<UC16>**](#_1fob9te) **82**

[**Use-case Version**](#_1fob9te) **82**

[**<1.0>**](#_1fob9te) **82**

[**Use-case Name**](#_1fob9te) **82**

[**Delete account**](#_1fob9te) **82**

[**Author**](#_1fob9te) **82**

[**TungBT**](#_1fob9te) **82**

[**Date**](#_1fob9te) **82**

[**18/07/2020**](#_1fob9te) **82**

[**Priority**](#_1fob9te) **82**

[**Medium**](#_1fob9te) **82**

[Actor](#_shvbv2t79izs) 82

[**Super Admin**](#_1fob9te) **82**

[Summary](#_flopy62xyp1v) 82

[**Super Admin deletes an account in the system**](#_1fob9te) **82**

[Goal](#_c9zhspxbka6e) 82

[**Delete an account**](#_1fob9te) **82**

[Triggers](#_m22incftdtrw) 82

[**Super Admin clicks “Xoá” button on account management page**](#_1fob9te) **82**

[Preconditions](#_7pi5kvtt8a5d) 82

[**User has successfully logged in to the system as the Super Admin role**](#_1fob9te) **82**

[Post Conditions](#_ve9gqd1thbxd) 82

[**Delete an account**](#_1fob9te) **82**

[Main Success Scenario](#_9z8c4c1yqqr5) 82

[Alternative Scenario](#_ndvd6z2kgudz) 1

[Exceptions](#_dhh6opncudq8) 1

[N/A](#_g2104b5vfx4l) 1

[Business Rules](#_v6wbw8c18nq1) 83

[Super Admin can not delete account of himself](#_zi284nw54tqw) 83

[2.2.3.17. Use case 17: View all units](#_jv1jxokp0lob) 83

[**USE CASE-17 SPECIFICATION**](#_1fob9te) **83**

[**Use-case No.**](#_1fob9te) **83**

[**<UC17>**](#_1fob9te) **83**

[**Use-case Version**](#_1fob9te) **83**

[**<1.0>**](#_1fob9te) **83**

[**Use-case Name**](#_1fob9te) **84**

[**View all units**](#_1fob9te) **84**

[**Author**](#_1fob9te) **84**

[**TungBT**](#_1fob9te) **84**

[**Date**](#_1fob9te) **84**

[**18/07/2020**](#_1fob9te) **84**

[**Priority**](#_1fob9te) **84**

[**Medium**](#_1fob9te) **84**

[Actor](#_fy0phd4w069t) 84

[**Super Admin**](#_1fob9te) **84**

[Summary](#_p71nfn2sju1e) 84

[**Super admin accesses the unit management page and views all units of the system**](#_1fob9te) **84**

[Goal](#_5stem8613cjf) 84

[**View list of units in FPT Education system**](#_1fob9te) **84**

[Triggers](#_7kwhk59bf0eq) 84

[**User clicks the tab “Quản lý đơn vị” on the sidebar of admin dashboard**](#_1fob9te) **84**

[Preconditions](#_urr0tgcp4l5) 84

[**User has successfully logged in to the system as the Super Admin role**](#_1fob9te) **84**

[Post Conditions](#_r1ktr1l3w1g8) 84

[**View list of units in FPT Education system**](#_1fob9te) **84**

[Main Success Scenario](#_nw7ubgjsjww) 84

[Alternative Scenario](#_a3fsy38ygd0h) 84

[N/A](#_57qksjrhxnbj) 84

[Exceptions](#_sry1tuvz7b43) 84

[**N/A**](#_1fob9te) **84**

[Business Rules](#_8vssckdzkzmb) 84

[N/A](#_m0vm6pvjr1j6) 84

[**2.2.3.18. Use case 18: Add unit**](#_1fob9te) **84**

[**USE CASE-18 SPECIFICATION**](#_1fob9te) **84**

[**Use-case No.**](#_1fob9te) **84**

[**<UC18>**](#_1fob9te) **84**

[**Use-case Version**](#_1fob9te) **84**

[**<1.0>**](#_1fob9te) **84**

[**Use-case Name**](#_1fob9te) **84**

[**Add unit**](#_1fob9te) **85**

[**Author**](#_1fob9te) **85**

[**TungBT**](#_1fob9te) **85**

[**Date**](#_1fob9te) **85**

[**18/07/2020**](#_1fob9te) **85**

[**Priority**](#_1fob9te) **85**

[**Low**](#_1fob9te) **85**

[Actor](#_83quwhnhct4t) 1

[**Super Admin**](#_1fob9te) **85**

[Summary](#_hcd8131yd7nl) 1

[**Super Admin creates a new unit into FPT Education system**](#_1fob9te) **85**

[Goal](#_bkiju7r8ajjl) 85

[**Create a new unit**](#_1fob9te) **85**

[Triggers](#_1r4q0lj06c9o) 85

[**User clicks on “Thêm đơn vị làm việc” button on unit management page**](#_1fob9te) **85**

[Preconditions](#_vxm0culang7y) 85

[**User has successfully logged in to the system as the Super Admin role**](#_1fob9te) **85**

[Post Conditions](#_um1vn4ke3jok) 1

[**Create a new unit into the system**](#_1fob9te) **1**

[Main Success Scenario](#_zfkp32ilt4ty) 85

[Alternative Scenario](#_xtx73uk6ra0v) 85

[N/A](#_ecqx6o8ejvhz) 1

[Exceptions](#_agpook4pxtnn) 1

[N/A](#_qapr2374246o) 1

[Business Rules](#_wznzutp8ty92) 1

[Maximum size of image file is 5MB](#_bidtd0u8hh50) 85

[**2.2.3.19. Use case 19: Edit unit**](#_1fob9te) **85**

[**USE CASE-19 SPECIFICATION**](#_1fob9te) **85**

[**Use-case No.**](#_1fob9te) **85**

[**<UC19>**](#_1fob9te) **85**

[**Use-case Version**](#_1fob9te) **85**

[**<1.0>**](#_1fob9te) **85**

[**Use-case Name**](#_1fob9te) **85**

[**Edit unit**](#_1fob9te) **85**

[**Author**](#_1fob9te) **86**

[**TungBT**](#_1fob9te) **86**

[**Date**](#_1fob9te) **86**

[**18/07/2020**](#_1fob9te) **86**

[**Priority**](#_1fob9te) **86**

[**Low**](#_1fob9te) **86**

[Actor](#_b0l79x4tfrm0) 86

[**Super Admin**](#_1fob9te) **86**

[Summary](#_7gou11ybu7w5) 86

[**Super Admin edits information of an unit in FPT Education system**](#_1fob9te) **86**

[Goal](#_ti3ge97arumv) 86

[**Edit information of an unit**](#_1fob9te) **86**

[Triggers](#_psf5kossfvpv) 86

[**Click on “Sửa” button of an unit**](#_1fob9te) **86**

[Preconditions](#_j4czw1enxgpn) 86

[**User has successfully logged in to the system as the Super Admin role**](#_1fob9te) **86**

[Post Conditions](#_jn61mxvm387) 86

[**Edit an unit**](#_1fob9te) **86**

[Main Success Scenario](#_im0lc1vsnxbl) 86

[Alternative Scenario](#_c2l938oqi0i7) 86

[N/A](#_7mnmf1guewdc) 86

[Exceptions](#_9817mrweef75) 1

[**N/A**](#_1fob9te) **1**

[Business Rules](#_divyczhtz53g) 86

[Maximum length of unit’s name is 255](#_uzxryo4gvopq) 86

[**2.2.3.20. Use case 20: Delete unit**](#_1fob9te) **86**

[**USE CASE-20 SPECIFICATION**](#_1fob9te) **86**

[**Use-case No.**](#_1fob9te) **86**

[**<UC20>**](#_1fob9te) **86**

[**Use-case Version**](#_1fob9te) **86**

[**<1.0>**](#_1fob9te) **86**

[**Use-case Name**](#_1fob9te) **86**

[**Delete unit**](#_1fob9te) **86**

[**Author**](#_1fob9te) **86**

[**TungBT**](#_1fob9te) **87**

[**Date**](#_1fob9te) **87**

[**18/07/2020**](#_1fob9te) **87**

[**Priority**](#_1fob9te) **87**

[**Low**](#_1fob9te) **87**

[Actor](#_pa6x2k9neei4) 87

[**Super Admin**](#_1fob9te) **87**

[Summary](#_dnwgnsyjm4nm) 87

[**Super Admin deletes an unit of FPT Education system**](#_1fob9te) **87**

[Goal](#_m2irolikkk9a) 87

[**Delete an unit**](#_1fob9te) **87**

[Triggers](#_y47c0nuvhv0k) 87

[**Click on “Xoá” button of an unit**](#_1fob9te) **87**

[Preconditions](#_kce0irbtui0i) 87

[**User has successfully logged in to the system as the Super Admin role**](#_1fob9te) **87**

[Post Conditions](#_5ubvajxupysd) 87

[**Delete an unit**](#_1fob9te) **87**

[Main Success Scenario](#_hxim75kfo9zd) 87

[Alternative Scenario](#_7l04qiamtnka) 87

[N/A](#_9sxln6qatgca) 87

[Exceptions](#_syb83px4q37y) 87

[**N/A**](#_1fob9te) **87**

[Business Rules](#_fh1hmkenvslc) 87

[N/A](#_7qh49remhj0a) 87

[2.2.3.21. Use case 21: View all locations](#_os3mx8ce1d77) 88

[**USE CASE-21 SPECIFICATION**](#_1fob9te) **88**

[**Use-case No.**](#_1fob9te) **88**

[**<UC21>**](#_1fob9te) **88**

[**Use-case Version**](#_1fob9te) **88**

[**<1.0>**](#_1fob9te) **88**

[**Use-case Name**](#_1fob9te) **88**

[**View all locations**](#_1fob9te) **88**

[**Author**](#_1fob9te) **88**

[**TungBT**](#_1fob9te) **88**

[**Date**](#_1fob9te) **88**

[**18/07/2020**](#_1fob9te) **88**

[**Priority**](#_1fob9te) **88**

[**Medium**](#_1fob9te) **88**

[Actor](#_ga6cax6ghdm0) 88

[**Super Admin**](#_1fob9te) **88**

[Summary](#_w318phmh1flr) 88

[**Super Admin views all locations of FPT Education system, these are provinces and cities of Vietnam**](#_1fob9te) **88**

[Goal](#_q3uapixkb6ns) 88

[**View all locations of FPT Education system**](#_1fob9te) **88**

[Triggers](#_83x5dqxzcuyb) 88

[User clicks the tab “Quản lý địa điểm” on the sidebar of admin dashboard](#_lz0kvg2wwnpl) 88

[Preconditions](#_300f9dsxqev6) 88

[User has successfully logged in to the system as the Super Admin role](#_b69lkqhp57fu) 88

[Post Conditions](#_xnek6xf2n60c) 88

[View list of locations in FPT Education system](#_cy36ciu9hk5q) 88

[Main Success Scenario](#_59jidkzgb9n5) 88

[Alternative Scenario](#_jh1z8ch0x2ua) 89

[N/A](#_qhr06e4z7gss) 89

[Exceptions](#_opfuf5dpzops) 1

[**N/A**](#_1fob9te) **1**

[Business Rules](#_yyodn93ff1l) 1

[N/A](#_1r7t3ylos5vh) 89

[**2.2.3.22. Use case 22: Add location**](#_1fob9te) **89**

[**USE CASE-22 SPECIFICATION**](#_1fob9te) **89**

[**Use-case No.**](#_1fob9te) **89**

[**<UC22>**](#_1fob9te) **89**

[**Use-case Version**](#_1fob9te) **89**

[**<1.0>**](#_1fob9te) **89**

[**Use-case Name**](#_1fob9te) **89**

[**Add location**](#_1fob9te) **89**

[**Author**](#_1fob9te) **89**

[**TungBT**](#_1fob9te) **89**

[**Date**](#_1fob9te) **89**

[**18/07/2020**](#_1fob9te) **89**

[**Priority**](#_1fob9te) **89**

[**Medium**](#_1fob9te) **89**

[Actor](#_sjm2l7k4t9m6) 1

[Super Admin](#_oxnauqb14npx) 89

[Summary](#_pr81vhswwgaa) 89

[Super Admin adds a new location into FPT Education system](#_5e5tw42ew712) 89

[Goal](#_x1pbl83p08k) 89

[Add a new location](#_wge4io2rea93) 89

[Triggers](#_xt70f6xs8nbr) 89

[User clicks on “Thêm địa điểm mới” button on location management page](#_i81o91pne6id) 89

[Preconditions](#_u13yil6034fv) 89

[User has successfully logged in to the system as the Super Admin role](#_rm1ery3yeyiu) 89

[Post Conditions](#_px0fdyj68hjw) 89

[Add a new location into the system](#_bug7af3ecurx) 89

[Main Success Scenario](#_qlcsaz8hr6zb) 89

[Alternative Scenario](#_imnh6tpkqjtf) 90

[N/A](#_8ddbzgu7yra0) 1

[Exceptions](#_9t9u191o0rx6) 1

[N/A](#_thyanwfya9y2) 90

[Business Rules](#_ro8myjtm6zj2) 90

[Max length of the location name is 255](#_ra6u60atyg7r) 90

[**2.2.3.23. Use case 23: Edit location**](#_1fob9te) **90**

[**USE CASE-23 SPECIFICATION**](#_1fob9te) **90**

[**Use-case No.**](#_1fob9te) **90**

[**<UC23>**](#_1fob9te) **90**

[**Use-case Version**](#_1fob9te) **90**

[**<1.0>**](#_1fob9te) **90**

[**Use-case Name**](#_1fob9te) **90**

[**Edit location**](#_1fob9te) **90**

[**Author**](#_1fob9te) **90**

[**TungBT**](#_1fob9te) **90**

[**Date**](#_1fob9te) **90**

[**18/07/2020**](#_1fob9te) **90**

[**Priority**](#_1fob9te) **90**

[**Medium**](#_1fob9te) **90**

[Actor](#_ct541pxiezhr) 90

[Super Admin](#_wabx8j3vxrzp) 90

[Summary](#_6wqw4v7awrl0) 90

[Super Admin edits information of a location in FPT Education system](#_boi0xlvvh8bb) 90

[Goal](#_pmmj6rl2dvtx) 90

[Edit information of a location](#_fvrx4nnw1iz2) 90

[Triggers](#_qucajorxvn3i) 90

[Click on “Sửa” button of a location](#_zez2g11yk5fv) 90

[Preconditions](#_tnauy7u87nu7) 90

[User has successfully logged in to the system as the Super Admin role](#_uzv9vmvckxr) 90

[Post Conditions](#_ejht74l47n1) 90

[Edit a location](#_myjug6xkv9wv) 90

[Main Success Scenario](#_7wim5wfjndjm) 90

[Alternative Scenario](#_qmo4o0gcofxk) 91

[N/A](#_l6bq9os3v58z) 1

[Exceptions](#_xg1mq5ere0bp) 91

[N/A](#_oanlamnc0rkg) 91

[Business Rules](#_n25amnom1uz) 91

[Max length of unit name is 255](#_ic7ryayxdh9c) 91

[**2.2.3.24. Use case 24: Delete location**](#_1fob9te) **91**

[**USE CASE-24 SPECIFICATION**](#_1fob9te) **91**

[**Use-case No.**](#_1fob9te) **91**

[**<UC24>**](#_1fob9te) **91**

[**Use-case Version**](#_1fob9te) **91**

[**<1.0>**](#_1fob9te) **91**

[**Use-case Name**](#_1fob9te) **91**

[**Delete location**](#_1fob9te) **91**

[**Author**](#_1fob9te) **91**

[**TungBT**](#_1fob9te) **91**

[**Date**](#_1fob9te) **1**

[**18/07/2020**](#_1fob9te) **1**

[**Priority**](#_1fob9te) **1**

[**Medium**](#_1fob9te) **1**

[Actor](#_b1ua4ybqgzn3) 91

[Super Admin](#_qzobl6y1m3q) 91

[Summary](#_ub2o8cx7e6q4) 91

[Super Admin deletes a location of FPT Education system](#_fhuy7frtpar1) 91

[Goal](#_3mtprmmhbrhk) 91

[Delete a location](#_1ogq90f65y3g) 91

[Triggers](#_swadrli8mbnp) 91

[Click on “Xóa” button on a location](#_ymq2146c27ij) 91

[Preconditions](#_oela8bbtylvd) 1

[User has successfully logged in to the system as the Super Admin role](#_8fnlk6tbrjs2) 91

[Post Conditions](#_72ac4vsqy1p) 91

[Delete a location](#_zct4uod6os6w) 91

[Main Success Scenario](#_qvbq2fa1ldn) 91

[Alternative Scenario](#_tui7iidfbfg1) 92

[N/A](#_zeuu1ya0ar2r) 1

[Exceptions](#_imc8nz7wwhpv) 1

[N/A](#_hwtac53s7e4d) 92

[Business Rules](#_aq0mcw5y08pt) 92

[N/A](#_btekf0svqw2z) 92

[2.2.3.25. Use case 25: View all question groups](#_m07bku916um9) 92

[**USE CASE-25 SPECIFICATION**](#_1fob9te) **92**

[**Use-case No.**](#_1fob9te) **1**

[**<UC25>**](#_1fob9te) **1**

[**Use-case Version**](#_1fob9te) **92**

[**<1.0>**](#_1fob9te) **92**

[**Use-case Name**](#_1fob9te) **92**

[**Author**](#_1fob9te) **92**

[**TungBT**](#_1fob9te) **92**

[**Date**](#_1fob9te) **1**

[**18/07/2020**](#_1fob9te) **1**

[**Priority**](#_1fob9te) **1**

[**Low**](#_1fob9te) **93**

[Actor](#_ynovwpsalg9t) 93

[**Super Admin**](#_1fob9te) **93**

[Summary](#_azqbds6nod43) 93

[**Super Admin views all question groups in the system. The questions are divided into groups, each group corresponding to a different topic for easy management**](#_1fob9te) **93**

[Goal](#_wvei9dq5f1bq) 93

[**View all question groups**](#_1fob9te) **93**

[Triggers](#_awajsn357qi1) 93

[**User clicks on the tab “Quản lý nhóm câu hỏi” on the sidebar of website**](#_1fob9te) **93**

[Preconditions](#_naqzdh2jflo) 93

[**User has successfully logged in to the system as the Super Admin role**](#_1fob9te) **93**

[Post Conditions](#_d3ael55jjyxi) 93

[**View all question groups**](#_1fob9te) **93**

[Main Success Scenario](#_wxjf5bqxd68n) 93

[Alternative Scenario](#_52npocci8gqo) 93

[N/A](#_9ul6dj7g3u67) 93

[Exceptions](#_1qxpkwymf4wo) 93

[N/A](#_odchx43hcgcb) 1

[Business Rules](#_khtl142jewp5) 1

[N/A](#_72i9708jwnd7) 1

[**2.2.3.26. Use case 26: Add question group**](#_1fob9te) **93**

[**USE CASE-26 SPECIFICATION**](#_1fob9te) **93**

[**Use-case No.**](#_1fob9te) **93**

[**<UC26>**](#_1fob9te) **93**

[**Use-case Version**](#_1fob9te) **93**

[**<1.0>**](#_1fob9te) **93**

[**Use-case Name**](#_1fob9te) **93**

[**Author**](#_1fob9te) **93**

[**TungBT**](#_1fob9te) **94**

[**Date**](#_1fob9te) **94**

[**18/07/2020**](#_1fob9te) **94**

[**Priority**](#_1fob9te) **94**

[**Low**](#_1fob9te) **94**

[Actor](#_pbxvekjo29rd) 94

[Super Admin](#_6mqn8kgogd2) 94

[Summary](#_2a1s71sqa0g7) 94

[Super Admin adds a new question group](#_iu1xk0422po8) 94

[Goal](#_hcjoi74f8dcw) 94

[Add a new question group](#_ig5gm5t9c6z) 94

[Triggers](#_1u4e2lkjk26f) 94

[User clicks the button “Tạo nhóm mới” on question group management page](#_clu3mieug2rz) 94

[Preconditions](#_c53qrkfezlc0) 94

[User has successfully logged in to the system as the Super Admin role](#_mb2q2mb1y21k) 94

[Post Conditions](#_fqpxoxjwryh6) 94

[Add a new question group](#_aa8oylgye8hf) 94

[Main Success Scenario](#_daaad1lpq5n6) 94

[Alternative Scenario](#_e0un6327gic8) 94

[N/A](#_o0xg1k5l27or) 1

[Exceptions](#_411qufi7om6v) 1

[N/A](#_lumzsqcjogp0) 94

[Business Rules](#_ogei929apcsi) 94

[N/A](#_p87x89hhea21) 94

[**2.2.3.27. Use case 27: Edit question group**](#_1fob9te) **94**

[**USE CASE-27 SPECIFICATION**](#_1fob9te) **94**

[**Use-case No.**](#_1fob9te) **94**

[**<UC27>**](#_1fob9te) **94**

[**Use-case Version**](#_1fob9te) **94**

[**<1.0>**](#_1fob9te) **94**

[**Use-case Name**](#_1fob9te) **95**

[**Author**](#_1fob9te) **95**

[**TungBT**](#_1fob9te) **95**

[**Date**](#_1fob9te) **95**

[**18/07/2020**](#_1fob9te) **95**

[**Priority**](#_1fob9te) **1**

[**Low**](#_1fob9te) **1**

[Actor](#_o7bg5wanwddi) 95

[Super Admin](#_ngc1zcebn1j) 95

[Summary](#_22imm7jec45m) 95

[Super Admin edit the name of a question group](#_l1qcrls7l9ko) 95

[Goal](#_yxkdtbr26avs) 95

[Edit a question group](#_iqtccmiueia2) 95

[Triggers](#_n84s5m6ohmn9) 1

[User clicks button “Sửa” of a question group](#_14w1slyz36k0) 1

[Preconditions](#_lqdscqba00yq) 95

[User has successfully logged in to the system as the Super Admin role](#_8yol2h24kki3) 95

[Post Conditions](#_etopsbn5jh9a) 95

[Edit a question group](#_3rnex5px2n08) 95

[Main Success Scenario](#_8ev2gyyyagw) 95

[Alternative Scenario](#_mdi6xdyf5wub) 95

[N/A](#_2pptdhvr6g8b) 95

[Exceptions](#_9ed2x7svyjf7) 95

[N/A](#_dm7xg3vlnnx) 95

[Business Rules](#_fp76nva3c5yj) 95

[Name of question group must not be blank](#_vi83txgd2264) 95

[**2.2.3.28. Use case 28: Delete question group**](#_1fob9te) **96**

[**USE CASE-28 SPECIFICATION**](#_1fob9te) **1**

[**Use-case No.**](#_1fob9te) **96**

[**<UC28>**](#_1fob9te) **96**

[**Use-case Version**](#_1fob9te) **96**

[**<1.0>**](#_1fob9te) **96**

[**Use-case Name**](#_1fob9te) **96**

[**Author**](#_1fob9te) **96**

[**TungBT**](#_1fob9te) **96**

[**Date**](#_1fob9te) **96**

[**18/07/2020**](#_1fob9te) **96**

[**Priority**](#_1fob9te) **1**

[**Low**](#_1fob9te) **1**

[Actor](#_cu755ju691ml) 96

[Super Admin](#_vteesiisj6ku) 96

[Summary](#_h4gtuj69vt23) 96

[Super Admin deletes a question group](#_z0qcqs47skek) 96

[Goal](#_rfp62eu0htwn) 96

[Delete a question group](#_qp3udtgq9pf2) 96

[Triggers](#_ys0oaxtrdd9r) 96

[User clicks button “Xóa” of a question group](#_ltaatoybogs1) 96

[Preconditions](#_u8kvmnlfk4sw) 96

[User has successfully logged in to the system as the Super Admin role](#_7yu3prh2axag) 96

[Post Conditions](#_j09qthsksdzu) 96

[Delete a question group](#_agauxg9l0fzt) 96

[Main Success Scenario](#_39a4ck164lq5) 1

[Alternative Scenario](#_amg6oh8ooafu) 96

[N/A](#_tay6fyacezum) 96

[Exceptions](#_53tipuaz17cs) 1

[N/A](#_vtdwo5gyp3oi) 1

[Business Rules](#_8egb48o2nbxq) 1

[N/A](#_8vjt3lq9njw6) 1

[2.2.3.29. Use case 29: View all questions](#_7do0t42k4ryz) 97

[**USE CASE-29 SPECIFICATION**](#_1fob9te) **97**

[**Use-case No.**](#_1fob9te) **97**

[**<UC29>**](#_1fob9te) **97**

[**Use-case Version**](#_1fob9te) **97**

[**<1.0>**](#_1fob9te) **97**

[**Use-case Name**](#_1fob9te) **97**

[**View all questions**](#_1fob9te) **97**

[**Author**](#_1fob9te) **97**

[**TungBT**](#_1fob9te) **97**

[**Date**](#_1fob9te) **1**

[**18/07/2020**](#_1fob9te) **1**

[**Priority**](#_1fob9te) **1**

[**Medium**](#_1fob9te) **1**

[Actor](#_24rvhhlb8saf) 97

[**Super Admin**](#_1fob9te) **97**

[Summary](#_jaqzobr4ye89) 97

[**Super Admin views list of all questions in the system**](#_1fob9te) **97**

[Goal](#_btxajv23ggj8) 1

[**View all questions**](#_1fob9te) **1**

[Triggers](#_p1uyu047mprm) 1

[**Click tab “Quản lý câu hỏi” in the sidebar**](#_1fob9te) **1**

[Preconditions](#_8jyjd1bdkv72) 97

[**User has successfully logged in to the system as the Super Admin role**](#_1fob9te) **97**

[Post Conditions](#_cjhycvr1f92s) 97

[**System show list of questions**](#_1fob9te) **97**

[Main Success Scenario](#_ekhy1y1qor4c) 97

[Alternative Scenario](#_gnbnh8ko88wm) 98

[N/A](#_9y84zoimqx2r) 98

[Exceptions](#_1x3qqqikrve1) 1

[**N/A**](#_1fob9te) **98**

[Business Rules](#_wyaqh0qwn7s8) 98

[N/A](#_3cr34bbncldq) 98

[2.2.3.30. Use case 30: Add question](#_txpz1axngbes) 98

[**USE CASE-30 SPECIFICATION**](#_1fob9te) **98**

[**Use-case No.**](#_1fob9te) **98**

[**<UC30>**](#_1fob9te) **98**

[**Use-case Version**](#_1fob9te) **98**

[**<1.0>**](#_1fob9te) **98**

[**Use-case Name**](#_1fob9te) **98**

[**Add question**](#_1fob9te) **98**

[**Author**](#_1fob9te) **98**

[**TungBT**](#_1fob9te) **98**

[**Date**](#_1fob9te) **98**

[**18/07/2020**](#_1fob9te) **98**

[**Priority**](#_1fob9te) **98**

[**Medium**](#_1fob9te) **98**

[Actor](#_teilj9h8qf3o) 98

[Super Admin](#_u5fkdcswvvhf) 98

[Summary](#_qu654iy7hqok) 98

[Super admin adds a new question into question bank](#_f8ypfubgymbm) 98

[Goal](#_ng7wyiyakk6b) 98

[Add a new question](#_2emyc74641c1) 98

[Triggers](#_xlp0i32athd3) 98

[User clicks on “Thêm câu hỏi mới” button on question management page](#_a1g76rqtk063) 98

[Preconditions](#_y9zp54kpfp8h) 1

[User has successfully logged in to the system as the Super Admin role](#_wzqcr75mh1di) 98

[Post Conditions](#_36menod1j46z) 98

[Add a new question into question bank](#_illy0zg5whv3) 98

[Main Success Scenario](#_n75ywjfmq4ah) 98

[Alternative Scenario](#_cu24c57qxb21) 99

[Exceptions](#_nl0v5fxju3us) 99

[Business Rules](#_f5dpaqvyz6z1) 99

[Each question must have at least one correct answer](#_ppxgikh2hg37) 99

[**2.2.3.31. Use case 31: Edit question**](#_1fob9te) **99**

[**USE CASE-31 SPECIFICATION**](#_1fob9te) **99**

[**Use-case No.**](#_1fob9te) **99**

[**<UC31>**](#_1fob9te) **99**

[**Use-case Version**](#_1fob9te) **99**

[**<1.0>**](#_1fob9te) **99**

[**Use-case Name**](#_1fob9te) **1**

[**Edit question**](#_1fob9te) **99**

[**Author**](#_1fob9te) **99**

[**TungBT**](#_1fob9te) **99**

[**Date**](#_1fob9te) **1**

[**18/07/2020**](#_1fob9te) **1**

[**Priority**](#_1fob9te) **1**

[**Medium**](#_1fob9te) **99**

[Actor](#_r4wnrtivq926) 1

[Super Admin](#_nolhioc3sadl) 1

[Summary](#_ithu19t4jet3) 1

[Super Admin edits a question in question bank](#_18vmgoyvjx4s) 99

[Goal](#_sivlhhjgq18r) 99

[Edit a question](#_lg1cdtxm4cu5) 99

[Triggers](#_mxi0cry6deet) 99

[Click on “Sửa” button of an question](#_5dlom2ln16fj) 99

[Preconditions](#_pnywnqq9jzob) 99

[User has successfully logged in to the system as the Super Admin role](#_vzhy3verxjr3) 99

[Post Conditions](#_gqal9chrtnon) 99

[Edit a question](#_7ouu2ong3zx5) 99

[Main Success Scenario](#_vh06djtufriq) 99

[Alternative Scenario](#_cw9rpkxep0r4) 100

[N/A](#_23ibm5143u5l) 100

[Exceptions](#_jf9kgcw68lp) 1

[Business Rules](#_btg699ecxa04) 100

[Each question can have one or more correct answers](#_hlf9d92rosvn) 100

[**2.2.3.32. Use case 32: Delete question**](#_1fob9te) **1**

[**USE CASE-32 SPECIFICATION**](#_1fob9te) **100**

[**Use-case No.**](#_1fob9te) **100**

[**<UC32>**](#_1fob9te) **100**

[**Use-case Version**](#_1fob9te) **100**

[**<1.0>**](#_1fob9te) **100**

[**Use-case Name**](#_1fob9te) **100**

[**Delete question**](#_1fob9te) **100**

[**Author**](#_1fob9te) **100**

[**TungBT**](#_1fob9te) **100**

[**Date**](#_1fob9te) **1**

[**18/07/2020**](#_1fob9te) **100**

[**Priority**](#_1fob9te) **100**

[**Low**](#_1fob9te) **100**

[Actor](#_c8694g4pmze) 100

[Super Admin](#_rxd3qlxrl5zl) 100

[Summary](#_qtxiegqhhatu) 100

[Super Admin deletes a question in question bank](#_r2g6guqtxjt7) 100

[Goal](#_lmjvruw84mfc) 100

[Delete a question](#_nnhh4frs317y) 100

[Triggers](#_e48kjjhazalu) 100

[Click on “Xóa” button of a question](#_6cycjspc1ydo) 100

[Preconditions](#_aagzq6o83c32) 100

[User has successfully logged in to the system as the Super Admin role](#_i7wwv33nsp8h) 100

[Post Conditions](#_90y6ahheksa5) 100

[Delete a question](#_etgbgdd9229) 100

[Main Success Scenario](#_x0cdif8clv1) 100

[Alternative Scenario](#_qaqb1h1dqga4) 101

[N/A](#_of7xm2w2urxj) 1

[Exceptions](#_fwuzez2qbry7) 101

[**N/A**](#_1fob9te) **101**

[Business Rules](#_qtpdjmzdvf8y) 101

[N/A](#_qpl1x3v54ka) 101

[**2.2.3.33. Use case 33: Search question**](#_1fob9te) **101**

[**USE CASE-33 SPECIFICATION**](#_1fob9te) **101**

[**Use-case No.**](#_1fob9te) **101**

[**<UC33>**](#_1fob9te) **101**

[**Use-case Version**](#_1fob9te) **101**

[**<1.0>**](#_1fob9te) **101**

[**Use-case Name**](#_1fob9te) **101**

[**Search question**](#_1fob9te) **101**

[**Author**](#_1fob9te) **1**

[**TungBT**](#_1fob9te) **101**

[**Date**](#_1fob9te) **101**

[**18/07/2020**](#_1fob9te) **101**

[**Priority**](#_1fob9te) **1**

[**Medium**](#_1fob9te) **1**

[Actor](#_gnsqukrll3j7) 1

[**Super Admin**](#_1fob9te) **1**

[Summary](#_gn13h1lkhpwz) 101

[**Super Admin search for questions that he/she wants, searching keywords include:**](#_1fob9te) **101**

[Goal](#_xkpchhile2as) 1

[**Search a question**](#_1fob9te) **101**

[Triggers](#_z7d91d3i5d5n) 101

[**User enters the search keyword and/or chooses group on the search menu bar and then clicks button “Tìm kiếm”**](#_1fob9te) **101**

[Preconditions](#_etrfn7nz3kpx) 1

[User has successfully logged in to the system as the Super Admin role](#_38tyal2c6601) 101

[Post Conditions](#_uly3rdd3zuls) 101

[Search a question](#_j1oa3albwng3) 101

[Main Success Scenario](#_qub26kkhaou0) 101

[Alternative Scenario](#_olg3dg7pjgvd) 1

[N/A](#_mwex4u1aox9k) 1

[Exceptions](#_c5smauz70hgg) 1

[N/A](#_waf04f9ajfe4) 1

[Business Rules](#_l4scz842pjxb) 102

[If all fields are blank, system will return all records](#_obyipj5tp3zc) 102

[2.2.3.34. Use case 34: View all quizzes](#_bchd12icru4f) 102

[**USE CASE-34 SPECIFICATION**](#_1fob9te) **102**

[**Use-case No.**](#_1fob9te) **1**

[**<UC34>**](#_1fob9te) **1**

[**Use-case Version**](#_1fob9te) **1**

[**<1.0>**](#_1fob9te) **1**

[**Use-case Name**](#_1fob9te) **103**

[**View all quizzes**](#_1fob9te) **103**

[**Author**](#_1fob9te) **103**

[**TungBT**](#_1fob9te) **103**

[**Date**](#_1fob9te) **103**

[**18/07/2020**](#_1fob9te) **103**

[**Priority**](#_1fob9te) **103**

[**Low**](#_1fob9te) **103**

[Actor](#_o8st9p6k2h1q) 103

[Super Admin](#_gw0jymnkps48) 103

[Summary](#_sm8l0kgnqvwb) 103

[Super Admin views list of all quizzes in the system](#_gv2uoimmy2ci) 103

[Goal](#_ixjiy57xs4mf) 103

[View all quizzes](#_6tbjeja880f0) 103

[Triggers](#_ukpdintwn0xx) 103

[Click tab “Quản lý đề bài” in the sidebar](#_5ca4cqlhi5xx) 103

[Preconditions](#_fqjvynjwie21) 103

[User has successfully logged in to the system as the Super Admin role](#_wznoot9973x0) 103

[Post Conditions](#_h5g3tr4n5s1n) 103

[System show list of quizzes](#_6supf0vsuihs) 103

[Main Success Scenario](#_sdneqeiw2y6) 103

[Alternative Scenario](#_bspznvnlrx3j) 103

[N/A](#_ahlcuy9mmucv) 103

[Exceptions](#_sk4759qdgc71) 1

[**N/A**](#_1fob9te) **103**

[Business Rules](#_1gk1rodg7j2n) 103

[N/A](#_xa01gr5jq6n7) 103

[**2.2.3.35. Use case 35: Add quiz**](#_1fob9te) **103**

[**USE CASE-35 SPECIFICATION**](#_1fob9te) **103**

[**Use-case No.**](#_1fob9te) **103**

[**<UC35>**](#_1fob9te) **103**

[**Use-case Version**](#_1fob9te) **103**

[**<1.0>**](#_1fob9te) **103**

[**Use-case Name**](#_1fob9te) **103**

[**Add quiz**](#_1fob9te) **103**

[**Author**](#_1fob9te) **103**

[**TungBT**](#_1fob9te) **103**

[**Date**](#_1fob9te) **103**

[**18/07/2020**](#_1fob9te) **104**

[**Priority**](#_1fob9te) **104**

[**Low**](#_1fob9te) **104**

[Actor](#_bx5csw3evom7) 104

[Super Admin](#_j42u38qqmbwe) 104

[Summary](#_uqno9zzc2y6d) 104

[Super admin adds a new quiz into quiz bank](#_8xn1anaz1t6e) 104

[Goal](#_ekubvvyerllz) 104

[Add a new quiz](#_r6537ud4owym) 104

[Triggers](#_ud5btibyqv5e) 104

[User clicks on “Tạo đề mới” button on quiz management page](#_q4f4h374c98l) 104

[Preconditions](#_a4p8gp8snmzp) 104

[User has successfully logged in to the system as the Super Admin role](#_vyfbcf7hsydm) 104

[Post Conditions](#_snngqdowa41i) 104

[Add a new quiz into quiz bank](#_val3ef3163go) 104

[Main Success Scenario](#_2wfkz4p04w1r) 104

[Alternative Scenario](#_qq6ir28wjo0q) 104

[N/A](#_3v2nw5enq8ym) 104

[Exceptions](#_lg0b2egqmcmd) 104

[Business Rules](#_qar8vslv1ypf) 104

[A Quiz must have name and contain at least 1 question](#_gmfr21l5c68u) 104

[**2.2.3.36. Use case 36: Edit quiz**](#_1fob9te) **104**

[**USE CASE-36 SPECIFICATION**](#_1fob9te) **104**

[**Use-case No.**](#_1fob9te) **104**

[**<UC36>**](#_1fob9te) **104**

[**Use-case Version**](#_1fob9te) **105**

[**<1.0>**](#_1fob9te) **105**

[**Use-case Name**](#_1fob9te) **105**

[**Edit quiz**](#_1fob9te) **105**

[**Author**](#_1fob9te) **105**

[**TungBT**](#_1fob9te) **105**

[**Date**](#_1fob9te) **105**

[**18/07/2020**](#_1fob9te) **1**

[**Priority**](#_1fob9te) **1**

[**Low**](#_1fob9te) **1**

[Actor](#_n35cpv152pas) 105

[Super Admin](#_z85tmxlezh2h) 105

[Summary](#_x6zgbybb22mt) 105

[Super Admin edit a quiz in quiz bank](#_5ivjt2a2fmsr) 105

[Goal](#_8glpgzgsish4) 1

[Edit a quiz](#_3yypf9r3v87o) 105

[Triggers](#_yw2jeoyyskv0) 105

[Click on “Sửa” button of a quiz](#_v9u06wok60b1) 105

[Preconditions](#_yisyzx61q83j) 105

[User has successfully logged in to the system as the Super Admin role](#_t1u66ftjn60i) 105

[Post Conditions](#_l800sigfcm7c) 105

[**Edit a quiz**](#_1fob9te) **105**

[Main Success Scenario](#_8rvgkl7jpfkm) 105

[Alternative Scenario](#_3levi3yfenie) 105

[N/A](#_x4l7mpdmxun8) 105

[Exceptions](#_vtylc7c99fpl) 105

[Business Rules](#_jpgjj238s7xs) 105

[A Quiz must have name and contain at least 1 question](#_r88yt6a9zrj) 105

[**2.2.3.37. Use case 37: Delete quiz**](#_1fob9te) **106**

[**USE CASE-37 SPECIFICATION**](#_1fob9te) **106**

[**Use-case No.**](#_1fob9te) **106**

[**<UC37>**](#_1fob9te) **106**

[**Use-case Version**](#_1fob9te) **106**

[**<1.0>**](#_1fob9te) **1**

[**Use-case Name**](#_1fob9te) **106**

[**Delete quiz**](#_1fob9te) **106**

[**Author**](#_1fob9te) **106**

[**TungBT**](#_1fob9te) **106**

[**Date**](#_1fob9te) **106**

[**18/07/2020**](#_1fob9te) **106**

[**Priority**](#_1fob9te) **106**

[**Low**](#_1fob9te) **106**

[Actor](#_ddurcuilxdo6) 1

[Super Admin](#_gftm4emwosqy) 1

[Summary](#_3suu28scfmtz) 1

[Super Admin deletes a quiz in quiz bank](#_bn1ww5c51vu0) 106

[Goal](#_tjxtlr7a4zmq) 1

[Delete a quiz](#_6va2k0fqpu4c) 106

[Triggers](#_njgx69wupumz) 106

[Click on “Xóa” button of a quiz](#_60hyr2wzrose) 106

[Preconditions](#_utpmpktoad0u) 106

[User has successfully logged in to the system as the Super Admin role](#_spx1sclqogcy) 106

[Post Conditions](#_p8y7nivxvei8) 106

[Delete a quiz](#_lf2wekvdldiv) 106

[Main Success Scenario](#_f0s0byu13u0c) 106

[Alternative Scenario](#_vjre0wy3rakr) 106

[N/A](#_x3vf9yhtkhg) 106

[Exceptions](#_f2qd0vl6sba5) 106

[N/A](#_q8hww0ftepzk) 106

[Business Rules](#_3vomfdl69l3n) 106

[N/A](#_w72ethh95rzc) 106

[2.2.3.38. Use case 38: View all careers](#_14zgzidg3jkn) 107

[**USE CASE-38 SPECIFICATION**](#_1fob9te) **107**

[**Use-case No.**](#_1fob9te) **107**

[**<UC38>**](#_1fob9te) **107**

[**Use-case Version**](#_1fob9te) **107**

[**<1.0>**](#_1fob9te) **107**

[**Use-case Name**](#_1fob9te) **107**

[**View all careers**](#_1fob9te) **107**

[**Author**](#_1fob9te) **1**

[**TungBT**](#_1fob9te) **107**

[**Date**](#_1fob9te) **107**

[**18/07/2020**](#_1fob9te) **107**

[**Priority**](#_1fob9te) **107**

[**Low**](#_1fob9te) **107**

[Actor](#_nvi7yfvdcy0i) 107

[**Super Admin**](#_1fob9te) **107**

[Summary](#_1o8moyouhvr1) 107

[**Super Admin views list of all careers in the system**](#_1fob9te) **107**

[Goal](#_2h0m0j8ip2vc) 107

[**View list of all careers**](#_1fob9te) **107**

[Triggers](#_2cy97w9fvsw) 107

[**User clicks on the tab “Quản lý nghề nghiệp” on the sidebar**](#_1fob9te) **107**

[Preconditions](#_dgmuqq8h4ct4) 107

[**User has successfully logged in to the system as the Super Admin role**](#_1fob9te) **107**

[Post Conditions](#_1801wu6e1f6u) 107

[**View all careers**](#_1fob9te) **107**

[Main Success Scenario](#_22a25ktlv4fc) 107

[Alternative Scenario](#_p3kvtniqqxqs) 108

[N/A](#_54rjll1ks7tx) 108

[Exceptions](#_a2thfvuzt9d) 1

[**N/A**](#_1fob9te) **1**

[Business Rules](#_gy0f4tmrbc2x) 108

[N/A](#_fk43lsfsmqwa) 108

[**2.2.3.39. Use case 39: Add career**](#_1fob9te) **108**

[**USE CASE-39 SPECIFICATION**](#_1fob9te) **108**

[**Use-case No.**](#_1fob9te) **108**

[**<UC39>**](#_1fob9te) **108**

[**Use-case Version**](#_1fob9te) **108**

[**<1.0>**](#_1fob9te) **108**

[**Use-case Name**](#_1fob9te) **108**

[**Add career**](#_1fob9te) **108**

[**Author**](#_1fob9te) **108**

[**TungBT**](#_1fob9te) **108**

[**Date**](#_1fob9te) **1**

[**18/07/2020**](#_1fob9te) **108**

[**Priority**](#_1fob9te) **108**

[**Low**](#_1fob9te) **108**

[Actor](#_q3ncr9moxbkc) 108

[Super Admin](#_g00hit64t7pd) 108

[Summary](#_udfnv3u7fllf) 108

[Super Admin adds a new career into the system](#_y9j0vjllzonh) 108

[Goal](#_9fjjlnk8k3ih) 108

[Add a new career](#_hk75bj4s7gqd) 108

[Triggers](#_pplfyulc1po8) 108

[User clicks on “Tạo nghề nghiệp mới” button on career management page](#_nk7is7iu0krh) 108

[Preconditions](#_p8cjjmrez74u) 108

[User has successfully logged in to the system as the Super Admin role](#_k64vqferkyfd) 108

[Post Conditions](#_59v5nqwgkxfx) 108

[Add a new career into the system](#_j5ibn5wu9mil) 108

[Main Success Scenario](#_5ywehsbd86pg) 108

[Alternative Scenario](#_qm62a9smnryy) 109

[N/A](#_8c8peri5w7bk) 109

[Exceptions](#_yf9lip9fj9q) 1

[**N/A**](#_1fob9te) **1**

[Business Rules](#_md40vbfqvgx4) 109

[Career name must not be blank](#_vb4fkvcxz4qb) 109

[**2.2.3.40. Use case 40: Edit career**](#_1fob9te) **109**

[**USE CASE-40 SPECIFICATION**](#_1fob9te) **109**

[**Use-case No.**](#_1fob9te) **109**

[**<UC40>**](#_1fob9te) **109**

[**Use-case Version**](#_1fob9te) **109**

[**<1.0>**](#_1fob9te) **109**

[**Use-case Name**](#_1fob9te) **109**

[**Edit career**](#_1fob9te) **109**

[**Author**](#_1fob9te) **109**

[**TungBT**](#_1fob9te) **109**

[**Date**](#_1fob9te) **1**

[**18/07/2020**](#_1fob9te) **109**

[**Priority**](#_1fob9te) **109**

[**Low**](#_1fob9te) **109**

[Actor](#_p2c834unrhu6) 109

[Super Admin](#_rmghekcqc63u) 109

[Summary](#_3f9dk9v7lnvm) 109

[Super Admin edits information of a career](#_rg4gy4i4dw3) 109

[Goal](#_8w64iya5r3oa) 109

[Edit information of a career](#_z6vxszjom634) 109

[Triggers](#_e340jk8q02n) 109

[Click on “Sửa” button of a career](#_nrtmn45ami34) 109

[Preconditions](#_g24vra2rm22a) 109

[User has successfully logged in to the system as the Super Admin role](#_3ednlagnxidh) 109

[Post Conditions](#_u2xn1rq1ex5d) 109

[Edit a career](#_ljmvnkfr6mw2) 109

[Main Success Scenario](#_ve5o8on305fs) 109

[Alternative Scenario](#_yqpkvj4aqkdd) 110

[N/A](#_2xhkpryhs8iy) 1

[Exceptions](#_690i7ipd3mii) 1

[**N/A**](#_1fob9te) **1**

[Business Rules](#_9x6bgz6q6nkg) 110

[N/A](#_bvwcssjp9wdu) 110

[**2.2.3.41. Use case 41: Delete career**](#_1fob9te) **110**

[**USE CASE-41 SPECIFICATION**](#_1fob9te) **110**

[**Use-case No.**](#_1fob9te) **110**

[**<UC41>**](#_1fob9te) **110**

[**Use-case Version**](#_1fob9te) **110**

[**<1.0>**](#_1fob9te) **110**

[**Use-case Name**](#_1fob9te) **1**

[**Delete career**](#_1fob9te) **110**

[**Author**](#_1fob9te) **110**

[**TungBT**](#_1fob9te) **110**

[**Date**](#_1fob9te) **110**

[**18/07/2020**](#_1fob9te) **110**

[**Priority**](#_1fob9te) **110**

[**Low**](#_1fob9te) **110**

[Actor](#_vgrcq8v7joos) 110

[Super Admin](#_w46b91yi6lzs) 110

[Summary](#_u1wvec2e2fpo) 110

[Super Admin deletes a career in the system](#_3gr871v1789k) 110

[Goal](#_a3rnw0agcf0z) 110

[Delete a career](#_3pqn6sx56fy8) 110

[Triggers](#_477joji9rlo3) 110

[Click on “Xóa” button of a career](#_aix4eetzsdj5) 110

[Preconditions](#_m1tf40iip4xs) 110

[User has successfully logged in to the system as the Super Admin role](#_gzju1cyzmi7o) 110

[Post Conditions](#_uxmt42v71pq) 110

[**Delete a career**](#_1fob9te) **110**

[Main Success Scenario](#_qh7ncmlh9wmy) 110

[Alternative Scenario](#_e313depye7i4) 1

[N/A](#_ouoewzln1jrd) 1

[Exceptions](#_5c1r6oenxixc) 1

[**N/A**](#_1fob9te) **1**

[Business Rules](#_h0wqa1cxc2w9) 111

[N/A](#_ca8j9t367dr) 111

[2.2.3.42. Use case 42: View all config emails](#_ujvyu1fks7oh) 111

[**USE CASE-42 SPECIFICATION**](#_1fob9te) **111**

[**Use-case No.**](#_1fob9te) **111**

[**<UC42>**](#_1fob9te) **111**

[**Use-case Version**](#_1fob9te) **111**

[**<1.0>**](#_1fob9te) **111**

[**Use-case Name**](#_1fob9te) **112**

[**View all config emails**](#_1fob9te) **112**

[**Author**](#_1fob9te) **112**

[**TungBT**](#_1fob9te) **112**

[**Date**](#_1fob9te) **112**

[**18/07/2020**](#_1fob9te) **112**

[**Priority**](#_1fob9te) **112**

[**Low**](#_1fob9te) **112**

[Actor](#_32w9e34u6539) 112

[Super Admin](#_71nydg7r40ca) 112

[Summary](#_eki5llg2krs0) 112

[Super Admin views list of all config emails that will be used automatically to send emails for candidates](#_324e67lngwod) 112

[Goal](#_25rprbvbecv6) 1

[View list of all config emails](#_m8sr8k5jgr4u) 112

[Triggers](#_bfeq8xm3sk2w) 112

[Super Admin clicks tab “Quản lý gửi mail” on the sidebar of admin page](#_b14tsc4468ri) 112

[Preconditions](#_gyydp9uyuw40) 112

[User has successfully logged in to the system as the Super Admin role](#_dtl9a7oaheje) 112

[Post Conditions](#_5t4gr51a2qc2) 112

[Super Admin views list of all config emails](#_cs10gbm8b99n) 112

[Main Success Scenario](#_whmzl0rmh1h6) 1

[Alternative Scenario](#_lbm9b88pvtjz) 1

[N/A](#_f9xsfba95klo) 112

[Exceptions](#_xpkb3v3gkh82) 1

[**N/A**](#_1fob9te) **1**

[Business Rules](#_o3jyg1v02t4c) 112

[N/A](#_fgphirp2bs7r) 112

[2.2.3.43. Use case 43: Add config email](#_rb8hyrktp5g5) 112

[**USE CASE-43 SPECIFICATION**](#_1fob9te) **112**

[**Use-case No.**](#_1fob9te) **112**

[**<UC43>**](#_1fob9te) **112**

[**Use-case Version**](#_1fob9te) **112**

[**<1.0>**](#_1fob9te) **112**

[**Use-case Name**](#_1fob9te) **112**

[**Add config email**](#_1fob9te) **112**

[**Author**](#_1fob9te) **1**

[**TungBT**](#_1fob9te) **113**

[**Date**](#_1fob9te) **113**

[**18/07/2020**](#_1fob9te) **113**

[**Priority**](#_1fob9te) **113**

[**Low**](#_1fob9te) **113**

[Actor](#_3qwxuywqyajv) 113

[Super Admin](#_47zej4g7z3wm) 113

[Summary](#_s2wgmdvbaxo9) 1

[Super admin adds a new email into list of emails that will be used automatically to send emails for candidates](#_j9auc0rtohxa) 113

[Goal](#_ewue05rzdu34) 113

[Add a new email](#_jvajx92m5cae) 113

[Triggers](#_ugduna37ndef) 113

[User clicks on “Tạo tài khoản gửi mail mới” button on email management page](#_36aeg4cv1s1l) 113

[Preconditions](#_u0d4cf9wlzpd) 113

[User has successfully logged in to the system as the Super Admin role](#_kvi2tg2rehh8) 113

[Post Conditions](#_o1gxg3svdlff) 113

[Add a new email](#_l0hu97ot9qa) 113

[Main Success Scenario](#_5amkualtczut) 113

[Alternative Scenario](#_mhlerimwz1ic) 113

[N/A](#_b4bvzty9lbgg) 113

[Exceptions](#_yyrbg4kxk6u9) 1

[**N/A**](#_1fob9te) **1**

[Business Rules](#_qciaxqp0qplz) 114

[Email, password, port, host must not be blank](#_bqnximk1t7gd) 114

[**2.2.3.44. Use case 44: Edit email**](#_1fob9te) **114**

[**USE CASE-44 SPECIFICATION**](#_1fob9te) **114**

[**Use-case No.**](#_1fob9te) **114**

[**<UC44>**](#_1fob9te) **114**

[**Use-case Version**](#_1fob9te) **114**

[**<1.0>**](#_1fob9te) **114**

[**Use-case Name**](#_1fob9te) **114**

[**Edit config email**](#_1fob9te) **114**

[**Author**](#_1fob9te) **114**

[**TungBT**](#_1fob9te) **114**

[**Date**](#_1fob9te) **114**

[**18/07/2020**](#_1fob9te) **114**

[**Priority**](#_1fob9te) **114**

[**Low**](#_1fob9te) **114**

[Actor](#_xho2mhgeze1) 114

[Super Admin](#_iucmu8e2ikvs) 114

[Summary](#_2g3n5tr0vqry) 114

[Super Admin edits information of an email](#_wc5o8cnnihab) 114

[Goal](#_38kwfpud8jre) 114

[Edit information of a config email](#_hfp8sqcxebln) 114

[Triggers](#_arrqxdbhvda2) 114

[Click on “Sửa” button of an email](#_w108t5d1x5kk) 114

[Preconditions](#_f9vnmsycttyf) 114

[User has successfully logged in to the system as the Super Admin role](#_sz5zsgmow0pf) 114

[Post Conditions](#_67omj1ch1alw) 114

[Edit an email](#_hzvqbwgtgped) 114

[Main Success Scenario](#_oypwi1dmask) 114

[Alternative Scenario](#_cdhjrzxgxff) 115

[N/A](#_tucsiu7o1j5o) 1

[Exceptions](#_lubic3mcel07) 1

[**N/A**](#_1fob9te) **115**

[Business Rules](#_tbjw2la5mbs6) 1

[Email, password, port, host must not be blank](#_9wdrzy5kz1c7) 115

[**2.2.3.45. Use case 45: Delete email**](#_1fob9te) **115**

[**USE CASE-45 SPECIFICATION**](#_1fob9te) **115**

[**Use-case No.**](#_1fob9te) **115**

[**<UC45>**](#_1fob9te) **115**

[**Use-case Version**](#_1fob9te) **115**

[**<1.0>**](#_1fob9te) **115**

[**Use-case Name**](#_1fob9te) **115**

[**Delete config email**](#_1fob9te) **115**

[**Author**](#_1fob9te) **1**

[**TungBT**](#_1fob9te) **115**

[**Date**](#_1fob9te) **115**

[**18/07/2020**](#_1fob9te) **115**

[**Priority**](#_1fob9te) **115**

[**Low**](#_1fob9te) **115**

[Actor](#_pzgc1k2mat9h) 115

[Super Admin](#_6tlxwzbik7qo) 115

[Summary](#_538srfgj29lj) 115

[Super Admin deletes an email](#_1qq8ycdg1ap0) 115

[Goal](#_8k132p7q4ci0) 115

[Delete an email](#_worbxhhmua8e) 115

[Triggers](#_aad7wcp5698g) 115

[Click on “Xóa” button on an email](#_ru4lws5snitf) 115

[Preconditions](#_cbsm7ci8fcii) 115

[User has successfully logged in to the system as the Super Admin role](#_8jvom5uohnn0) 115

[Post Conditions](#_sgu5rl4p5th) 115

[Delete an email](#_1i1xlzewpe62) 115

[Main Success Scenario](#_rczfgzkgsg0k) 115

[Alternative Scenario](#_qq21401b2i7u) 116

[N/A](#_mrteo32udho9) 116

[Exceptions](#_2qtwlpqmk796) 1

[**N/A**](#_1fob9te) **116**

[Business Rules](#_mf8o0aoakt0p) 116

[N/A](#_fyol8zr0w5y8) 116

[2.2.3.46. Use case 46: View logs](#_6cxxeki7jvxc) 116

[**USE CASE-46 SPECIFICATION**](#_1fob9te) **116**

[**Use-case No.**](#_1fob9te) **116**

[**<UC46>**](#_1fob9te) **1**

[**Use-case Version**](#_1fob9te) **116**

[**<1.0>**](#_1fob9te) **116**

[**Use-case Name**](#_1fob9te) **116**

[**View logs**](#_1fob9te) **116**

[**Author**](#_1fob9te) **116**

[**TungBT**](#_1fob9te) **116**

[**Date**](#_1fob9te) **1**

[**18/07/2020**](#_1fob9te) **116**

[**Priority**](#_1fob9te) **116**

[**Medium**](#_1fob9te) **116**

[Actor](#_cjfrs8dss0od) 116

[**Super Admin**](#_1fob9te) **116**

[Summary](#_r3ecn1o01qh8) 116

[**When any system changes take place (update accounts, add unit, ...), it is logged, the user can view the changes.**](#_1fob9te) **116**

[Goal](#_8gv3daag630z) 116

[**View system changes**](#_1fob9te) **116**

[Triggers](#_kv9zb48tcmpy) 116

[**User clicks on “Quản lý log” tab on the sidebar**](#_1fob9te) **116**

[Preconditions](#_ebi49p523d2r) 116

[**User has successfully logged in to the system as the Super Admin role**](#_1fob9te) **116**

[Post Conditions](#_ussuv2g19xpg) 116

[**View log about system changes**](#_1fob9te) **116**

[Main Success Scenario](#_5qn1ozi8kiyc) 117

[Alternative Scenario](#_dcach3jpwpo2) 117

[N/A](#_tksdlh5pktw0) 117

[Exceptions](#_ezuvzyqbk4hy) 1

[**N/A**](#_1fob9te) **1**

[Business Rules](#_offi57xf43xf) 1

[N/A](#_i5ngocso2u0y) 1

[2.2.3.47. Common use case](#_xlxujcdxbj77) 117

[**USE CASE-47 SPECIFICATION**](#_1fob9te) **118**

[**Use-case No.**](#_1fob9te) **118**

[**<UC47>**](#_1fob9te) **118**

[**Use-case Version**](#_1fob9te) **118**

[**<1.0>**](#_1fob9te) **118**

[**Use-case Name**](#_1fob9te) **118**

[**Login**](#_1fob9te) **118**

[**Author**](#_1fob9te) **118**

[**TungBT**](#_1fob9te) **118**

[**Date**](#_1fob9te) **1**

[**18/07/2020**](#_1fob9te) **1**

[**Priority**](#_1fob9te) **118**

[**High**](#_1fob9te) **118**

[Actor](#_r9ws0ze8r2fa) 118

[**Super Admin, HR Staff**](#_1fob9te) **1**

[Summary](#_2m8n50h4gknm) 118

[**User logins to FERS website as role of Super Admin or HR Staff**](#_1fob9te) **118**

[Goal](#_cvph1jygxelw) 118

[**Login to FERS website**](#_1fob9te) **118**

[Triggers](#_8r78xzke042p) 118

[**Users access the link "career.fpt.edu.vn/Account/Login"**](#_1fob9te) **118**

[Preconditions](#_f10qtgxxfmul) 118

[**N/A**](#_1fob9te) **118**

[Post Conditions](#_5xn3vqeksbn6) 118

[**Login to FERS website**](#_1fob9te) **118**

[Main Success Scenario](#_ivn72y83i72y) 1

[User accesses the link "career.fpt.edu.vn/Account/Login"](#_tuialyjfdfya) 118

[Alternative Scenario](#_43z7joqwbkyr) 118

[N/A](#_2l3zmof7runi) 118

[Exceptions](#_foc0rld2d7gx) 118

[**N/A**](#_1fob9te) **118**

[Business Rules](#_o0aw297b4z5c) 118

[N/A](#_gjpb7k1xooim) 118

[**2.2.3.48. Use case 48: Logout**](#_1fob9te) **1**

[**USE CASE-48 SPECIFICATION**](#_1fob9te) **119**

[**Use-case No.**](#_1fob9te) **1**

[**<UC48>**](#_1fob9te) **1**

[**Use-case Version**](#_1fob9te) **119**

[**<1.0>**](#_1fob9te) **119**

[**Use-case Name**](#_1fob9te) **119**

[**Logout**](#_1fob9te) **119**

[**Author**](#_1fob9te) **119**

[**TungBT**](#_1fob9te) **119**

[**Date**](#_1fob9te) **1**

[**18/07/2020**](#_1fob9te) **119**

[**Priority**](#_1fob9te) **119**

[**Low**](#_1fob9te) **119**

[Actor](#_vqdqt17iiulu) 119

[**Super Admin / HR Staff**](#_1fob9te) **119**

[Summary](#_lpv5npmuaq3m) 119

[**User logs out of the system**](#_1fob9te) **119**

[Goal](#_8sq1gcosnn3n) 119

[**Log out of the system**](#_1fob9te) **119**

[Triggers](#_5507d1uv0w4m) 119

[**User clicks on the button “Đăng xuất”**](#_1fob9te) **119**

[Preconditions](#_ulx9f875e777) 119

[**User successfully logged into the system**](#_1fob9te) **119**

[Post Conditions](#_iz0k8293018y) 119

[**Log out of the system**](#_1fob9te) **119**

[Main Success Scenario](#_evx0fuhbb02n) 119

[Alternative Scenario](#_fvk67qopwyvt) 119

[N/A](#_hclparn4l9gi) 119

[Exceptions](#_yvu4lquk6wga) 1

[**N/A**](#_1fob9te) **119**

[Business Rules](#_g67f0dd4uohu) 119

[N/A](#_kd98wm5mnmi5) 119

[2.2.3.49. Use case 49: View all CVs](#_roe9lhiclo3j) 119

[**USE CASE-49 SPECIFICATION**](#_1fob9te) **120**

[**Use-case No.**](#_1fob9te) **1**

[**<UC-49>**](#_1fob9te) **1**

[**Use-case Version**](#_1fob9te) **1**

[**<1.0>**](#_1fob9te) **120**

[**Use-case Name**](#_1fob9te) **120**

[**View all CVs**](#_1fob9te) **120**

[**Author**](#_1fob9te) **120**

[**TungBT**](#_1fob9te) **120**

[**Date**](#_1fob9te) **1**

[**18/07/2020**](#_1fob9te) **1**

[**Priority**](#_1fob9te) **120**

[**Medium**](#_1fob9te) **120**

[Actor](#_tp5v6f2mb89m) 120

[**HR Staff**](#_1fob9te) **120**

[Summary](#_p2eweerz4q67) 120

[**HR Staff views list of all CVs that was submitted to the system**](#_1fob9te) **120**

[Goal](#_8nj0zkul4la9) 120

[**View list of all CVs**](#_1fob9te) **120**

[Triggers](#_1f7gy4x49k13) 120

[**Click on the tab “Quản lý CV” on the sidebar**](#_1fob9te) **120**

[Preconditions](#_t0f5bifw6y7g) 121

[**User has successfully logged in to the system as the HR Staff role**](#_1fob9te) **121**

[Post Conditions](#_4zuvoiupdx0o) 121

[**View list of all CVs**](#_1fob9te) **121**

[Main Success Scenario](#_w3t5h6bu034y) 121

[Alternative Scenario](#_hwijxlb2ezcs) 121

[N/A](#_wbqqq19kuxl3) 121

[Exceptions](#_vlez6pmsj71k) 121

[**N/A**](#_1fob9te) **121**

[Business Rules](#_zdn2aogjsps7) 121

[N/A](#_gunndr6s6qn0) 121

[**2.2.3.50. Use case 50: View detail CV**](#_1fob9te) **121**

[**USE CASE-50 SPECIFICATION**](#_1fob9te) **121**

[**Use-case No.**](#_1fob9te) **121**

[**<UC50>**](#_1fob9te) **121**

[**Use-case Version**](#_1fob9te) **121**

[**<1.0>**](#_1fob9te) **121**

[**Use-case Name**](#_1fob9te) **121**

[**View detail CV**](#_1fob9te) **121**

[**Author**](#_1fob9te) **121**

[**TungBT**](#_1fob9te) **121**

[**Date**](#_1fob9te) **121**

[**18/07/2020**](#_1fob9te) **121**

[**Priority**](#_1fob9te) **121**

[**Medium**](#_1fob9te) **121**

[Actor](#_xctgayfds941) 121

[**HR Staff**](#_1fob9te) **121**

[Summary](#_qksr3iwplaqm) 121

[**HR Staff views detailed information about the candidate**](#_1fob9te) **121**

[Goal](#_o94t4mstn6fx) 1

[**View detailed information about candidate**](#_1fob9te) **121**

[Triggers](#_npj0mava66xp) 121

[**User clicks on the eye icon of a CV**](#_1fob9te) **121**

[Preconditions](#_81gfyyhpqp1n) 121

[User has successfully logged in to the system as the HR Staff role](#_o118m5xpy62z) 121

[Post Conditions](#_m04frkcapbn2) 121

[**A dialog box will pop up and display information about CV**](#_1fob9te) **121**

[Main Success Scenario](#_xfrhpzmkqh91) 121

[User clicks on the eye icon of a CV](#_19871e5bwvn2) 122

[Alternative Scenario](#_u1op0jp9shoe) 122

[N/A](#_mlb0c316amfm) 122

[Exceptions](#_rmfv0yegj7hn) 122

[N/A](#_ur670k8xt1tt) 122

[Business Rules](#_1wvmypcnf321) 122

[N/A](#_b9a5pt4km4l5) 122

[**2.2.3.51. Use case 51: Change CV status**](#_1fob9te) **122**

[**USE CASE-51 SPECIFICATION**](#_1fob9te) **122**

[**Use-case No.**](#_1fob9te) **122**

[**<UC51>**](#_1fob9te) **122**

[**Use-case Version**](#_1fob9te) **122**

[**<1.0>**](#_1fob9te) **122**

[**Use-case Name**](#_1fob9te) **122**

[**Change CV status**](#_1fob9te) **122**

[**Author**](#_1fob9te) **122**

[**TungBT**](#_1fob9te) **122**

[**Date**](#_1fob9te) **1**

[**18/07/2020**](#_1fob9te) **1**

[**Priority**](#_1fob9te) **122**

[**High**](#_1fob9te) **122**

[Actor](#_eg2xm8b6s9b9) 122

[**HR Staff**](#_1fob9te) **122**

[Summary](#_rv1tjs92vwcg) 122

[**CV is divided into groups with different statuses for easy management. HR Staff can change status of CV**](#_1fob9te) **122**

[Goal](#_tm1ys3dfw3ph) 122

[**Change status of the CV**](#_1fob9te) **122**

[Triggers](#_whh1kn4nwyg8) 1

[**User clicks on the status options then change it to another option**](#_1fob9te) **122**

[Preconditions](#_hchct6vwputm) 122

[User has successfully logged in to the system as the HR Staff role](#_ltnopixr6xru) 122

[Post Conditions](#_12y97etusz0y) 122

[**Change status of the CV**](#_1fob9te) **122**

[Main Success Scenario](#_2ij9rxg0dx2u) 122

[Alternative Scenario](#_8jm58oyld65d) 123

[N/A](#_g9raj2wobxdt) 123

[Exceptions](#_krhcc4jibfpy) 1

[N/A](#_3oh807zeezvs) 1

[Business Rules](#_6tn614ouqqav) 1

[It’s possible to change from current state to any other state](#_9macu0y7lf3c) 123

[**2.2.3.52. Use case 52: Search CV**](#_1fob9te) **123**

[**USE CASE-52 SPECIFICATION**](#_1fob9te) **123**

[**Use-case No.**](#_1fob9te) **123**

[**<UC52>**](#_1fob9te) **123**

[**Use-case Version**](#_1fob9te) **123**

[**<1.0>**](#_1fob9te) **123**

[**Use-case Name**](#_1fob9te) **1**

[**Search CV**](#_1fob9te) **1**

[**Author**](#_1fob9te) **1**

[**TungBT**](#_1fob9te) **1**

[**Date**](#_1fob9te) **123**

[**18/07/2020**](#_1fob9te) **123**

[**Priority**](#_1fob9te) **123**

[**Medium**](#_1fob9te) **123**

[Actor](#_ljzpia2xc6wm) 123

[**HR Staff**](#_1fob9te) **123**

[Summary](#_nltebfqipmk7) 123

[**HR Staff search for a CV that he/she wants, searching keywords include:**](#_1fob9te) **123**

[Goal](#_cdwbup47x2h6) 1

[**Search a CV**](#_1fob9te) **1**

[Triggers](#_l2w4qcecauff) 1

[**User enters the search keyword on the search menu bar and then clicks search button**](#_1fob9te) **124**

[Preconditions](#_pkux02d7pcio) 124

[User has successfully logged in to the system as the HR Staff role](#_h7ciaqm8jj39) 124

[Post Conditions](#_p8ku4446hluy) 124

[Search a CV](#_p775x1flgtj) 124

[Main Success Scenario](#_h1g7vjcyxkl) 124

[Alternative Scenario](#_qhr7uh1obw89) 124

[N/A](#_k73st86pi5z3) 1

[Exceptions](#_x9z9wx3pho0n) 124

[N/A](#_a8o1cc4otfos) 124

[Business Rules](#_fg35nlndzy7f) 124

[Maximum length of job title, email, candidate name field is 255](#_f2ji1gc7hfgh) 124

[2.2.3.53. Use case 53: Delete CV](#_wp7xynkjii5i) 124

[**USE CASE-53 SPECIFICATION**](#_1fob9te) **124**

[**Use-case No.**](#_1fob9te) **124**

[**<UC53>**](#_1fob9te) **124**

[**Use-case Version**](#_1fob9te) **124**

[**<1.0>**](#_1fob9te) **1**

[**Use-case Name**](#_1fob9te) **1**

[**Delete CV**](#_1fob9te) **124**

[**Author**](#_1fob9te) **124**

[**TungBT**](#_1fob9te) **1**

[**Date**](#_1fob9te) **124**

[**18/07/2020**](#_1fob9te) **124**

[**Priority**](#_1fob9te) **124**

[**Low**](#_1fob9te) **124**

[Actor](#_xpfukgpigguf) 1

[**HR Staff**](#_1fob9te) **124**

[Summary](#_3mst2e1avwj4) 1

[Goal](#_gkucs5h99c4c) 124

[**Delete a CV**](#_1fob9te) **124**

[Triggers](#_9pz5vae6szym) 124

[Click on the button “Xóa” of a CV](#_8e39pe6tl72x) 125

[Preconditions](#_mxnijremsfpr) 125

[User has successfully logged in to the system as the HR Staff role](#_u7ygj1utkjxy) 125

[Post Conditions](#_b0z4a8qmw8mu) 125

[Delete a CV](#_mh7e83ee3vw7) 125

[Main Success Scenario](#_filu36ryrxw9) 125

[Alternative Scenario](#_h9786br63d0w) 125

[N/A](#_3w897fn1wi5d) 125

[Exceptions](#_jpjpqko6h3by) 125

[N/A](#_e87gceaq3qcd) 125

[Business Rules](#_9cyma8x1q9vc) 125

[N/A](#_xs8sbq14b5x) 125

[**2.2.3.54. Use case 54: Send email quiz**](#_1fob9te) **125**

[**USE CASE-54 SPECIFICATION**](#_1fob9te) **125**

[**Use-case No.**](#_1fob9te) **125**

[**<UC54>**](#_1fob9te) **125**

[**Use-case Version**](#_1fob9te) **125**

[**<1.0>**](#_1fob9te) **1**

[**Use-case Name**](#_1fob9te) **125**

[**Send email quiz**](#_1fob9te) **125**

[**Author**](#_1fob9te) **125**

[**TungBT**](#_1fob9te) **125**

[**Date**](#_1fob9te) **125**

[**18/07/2020**](#_1fob9te) **125**

[**Priority**](#_1fob9te) **125**

[**Medium**](#_1fob9te) **125**

[Actor](#_28637af6y78z) 125

[**HR Staff**](#_1fob9te) **125**

[Summary](#_aetgxf85aen7) 125

[Goal](#_7by3wvzb8ar0) 1

[**Send an email that contains the link of quiz**](#_1fob9te) **125**

[Triggers](#_12izchy32v9d) 125

[Click on the button “Chưa gửi, gửi ngay” on CV management page](#_hkdwojo10cdl) 125

[Preconditions](#_wwi3uy1mxxqo) 125

[User has successfully logged in to the system as the HR Staff role](#_xho6cv9guzpl) 126

[Post Conditions](#_43z7gwnkpurr) 126

[Send an email that contains the link of quiz](#_d7ujlsu4m38w) 126

[Main Success Scenario](#_jb1v9djkdwa) 126

[Alternative Scenario](#_mafauw6jzj3f) 126

[N/A](#_q8yux6n25b5) 126

[Exceptions](#_6x1ne8upudy7) 126

[N/A](#_voulgwaaoghw) 126

[Business Rules](#_3mprpot7362d) 1

[N/A](#_olpwe9pa5eea) 126

[2.2.3.55. Use case 55: Export CV](#_kjkzlusnoiwn) 126

[**USE CASE-55 SPECIFICATION**](#_1fob9te) **126**

[**Use-case No.**](#_1fob9te) **126**

[**<UC55>**](#_1fob9te) **126**

[**Use-case Version**](#_1fob9te) **126**

[**<1.0>**](#_1fob9te) **126**

[**Use-case Name**](#_1fob9te) **126**

[**Export CV**](#_1fob9te) **126**

[**Author**](#_1fob9te) **126**

[**TungBT**](#_1fob9te) **126**

[**Date**](#_1fob9te) **126**

[**18/07/2020**](#_1fob9te) **126**

[**Priority**](#_1fob9te) **126**

[**Medium**](#_1fob9te) **126**

[Actor](#_y0wdwxx19vti) 126

[**HR Staff**](#_1fob9te) **126**

[Summary](#_jj60yj2fx5hx) 126

[**When HR staff wants to export the CV list to an excel file for easy management, he/she just needs to click “Xuất ra Excel” button**](#_1fob9te) **126**

[Goal](#_5s922o80h56e) 126

[**Export list of CV to excel file**](#_1fob9te) **126**

[Triggers](#_czggujxaxdhz) 1

[**User clicks on the button “Xuất ra Excel”**](#_1fob9te) **126**

[Preconditions](#_dem79xppj7ui) 126

[User has successfully logged in to the system as the HR Staff role](#_7mcldpkkyqm9) 126

[Post Conditions](#_of7lcvpk9ej1) 127

[Export list of CV to excel file](#_hi05ye7b1of0) 127

[Main Success Scenario](#_vlvpy4czdwyy) 127

[Alternative Scenario](#_gnksvduyw4a3) 127

[N/A](#_nv3s1g5pl0hb) 127

[Exceptions](#_nuyi6ph8veh7) 127

[N/A](#_wads17jrf5ab) 127

[Business Rules](#_pcfi0gb2by7t) 127

[N/A](#_q6y60qsu16tl) 127

[2.2.3.56. Use case 56: View all jobs](#_8wx040iuvt11) 128

[**USE CASE-56 SPECIFICATION**](#_1fob9te) **128**

[**Use-case No.**](#_1fob9te) **128**

[**<UC56>**](#_1fob9te) **128**

[**Use-case Version**](#_1fob9te) **128**

[**<1.0>**](#_1fob9te) **128**

[**Use-case Name**](#_1fob9te) **128**

[**View all jobs**](#_1fob9te) **128**

[**Author**](#_1fob9te) **128**

[**DatTQ**](#_1fob9te) **128**

[**Date**](#_1fob9te) **128**

[**18/07/2020**](#_1fob9te) **128**

[**Priority**](#_1fob9te) **128**

[**Medium**](#_1fob9te) **128**

[Actor](#_3pbkr5eiql44) 128

[**HR Staff**](#_1fob9te) **128**

[Summary](#_fymzklj8plpi) 128

[HR Staff views all jobs which are managed and based on the location of HR Staff can manage in the system.](#_9cip924vv931) 128

[Goal](#_kj9ptaslv3qv) 128

[HR Staff views all jobs in the system](#_wsyup1xypckd) 128

[Triggers](#_gbow40olkz10) 128

[HR Staff click tab “Quản lý tin tuyển dụng” on the sidebar of HR Staff page](#_k5qfrxxa8zan) 128

[Preconditions](#_eey6q11bhp0) 128

[User has successfully logged in to the system as the HR Staff role](#_vg0172cfk5i4) 129

[Post Conditions](#_553upvgkw7sq) 129

[**View all job are managed by login HR Staff**](#_1fob9te) **129**

[Main Success Scenario](#_j90p7chs23vm) 129

[Alternative Scenario](#_luslv2kvuttw) 129

[N/A](#_zcyjpmpwqzi3) 129

[Exceptions](#_bpki3zap15xo) 129

[Business Rules](#_x1mpddr82aro) 129

[N/A](#_prsd9oxt517r) 129

[**2.2.3.57. Use case 57: Add job**](#_1fob9te) **129**

[**USE CASE-57 SPECIFICATION**](#_1fob9te) **129**

[**Use-case No.**](#_1fob9te) **129**

[**<UC57>**](#_1fob9te) **129**

[**Use-case Version**](#_1fob9te) **129**

[**<1.0>**](#_1fob9te) **129**

[**Use-case Name**](#_1fob9te) **129**

[**Add job**](#_1fob9te) **129**

[**Author**](#_1fob9te) **129**

[**DatTQ**](#_1fob9te) **129**

[**Date**](#_1fob9te) **1**

[**18/07/2020**](#_1fob9te) **129**

[**Priority**](#_1fob9te) **129**

[**High**](#_1fob9te) **129**

[Actor](#_frkb1t5zf2v5) 129

[**HR Staff**](#_1fob9te) **129**

[Summary](#_5trrse8do1wf) 129

[HR Staff add a job to the system](#_cln5jh8z8hbx) 129

[Goal](#_h0sdjlbvio5i) 129

[**Add new job**](#_1fob9te) **129**

[Triggers](#_wydlez86oi24) 129

[HR Staff click “Tạo việc mới” button on Job management page](#_mzkl71w8rkjn) 129

[Preconditions](#_w99bf43mql6q) 129

[User has successfully logged in to the system as the HR Staff role](#_820gq7thada1) 129

[Post Conditions](#_i7rxiq8ov1cf) 129

[Add a new job to the system](#_dwl4x3nyobtg) 129

[Main Success Scenario](#_a9uny3f6oe5r) 129

[Alternative Scenario](#_xswo6i4xsd86) 130

[N/A](#_xd2u1rbi7brb) 1

[Exceptions](#_sdq1kacdal7) 130

[SQL Exception](#_59sewussz0pf) 130

[Business Rules](#_tenizv48krhe) 130

[HR Staff must fill all input required](#_cts2cnugiwd1) 130

[**2.2.3.58. Use case 58: Edit job**](#_1fob9te) **130**

[**USE CASE-58 SPECIFICATION**](#_1fob9te) **130**

[**Use-case No.**](#_1fob9te) **130**

[**<UC58>**](#_1fob9te) **130**

[**Use-case Version**](#_1fob9te) **130**

[**<1.0>**](#_1fob9te) **130**

[**Use-case Name**](#_1fob9te) **130**

[**Edit job**](#_1fob9te) **130**

[**Author**](#_1fob9te) **1**

[**DatTQ**](#_1fob9te) **130**

[**Date**](#_1fob9te) **130**

[**18/07/2020**](#_1fob9te) **130**

[**Priority**](#_1fob9te) **130**

[**Medium**](#_1fob9te) **130**

[Actor](#_up6mu0zxa86) 130

[**HR Staff**](#_1fob9te) **130**

[Summary](#_hlgi29s8z8u7) 130

[HR Staff edits a job in the system](#_bg3pbzj0n7st) 130

[Goal](#_uls4n34f42cd) 130

[Edit a exist job](#_cmaiy96qx32a) 1

[Triggers](#_2yqt4ajbf17f) 1

[HR Staff clicks “Sửa” button on an job when view all job](#_k6jgjlbufyxa) 1

[Preconditions](#_ncq5dplpmpaz) 130

[User has successfully logged in to the system as the HR Staff role](#_gh2ewqgt2jfx) 130

[Post Conditions](#_npofooeciiqd) 130

[Edit information about an job](#_avp0ayxs3qwa) 130

[Main Success Scenario](#_pn7eb8z8swc5) 130

[Alternative Scenario](#_j2efxs3ii9wm) 131

[N/A](#_5tmubq3xnf9d) 131

[Exceptions](#_rl3brgmmq05y) 131

[SQL Exception](#_rzicju6juxkb) 131

[Business Rules](#_sevxw8353nl9) 131

[Hr Staff must fill all input required.](#_yu98ri455za5) 131

[**2.2.3.59. Use case 59: Delete job**](#_1fob9te) **131**

[**USE CASE-59 SPECIFICATION**](#_1fob9te) **131**

[**Use-case No.**](#_1fob9te) **131**

[**<UC59>**](#_1fob9te) **131**

[**Use-case Version**](#_1fob9te) **131**

[**<1.0>**](#_1fob9te) **131**

[**Use-case Name**](#_1fob9te) **131**

[**Delete job**](#_1fob9te) **131**

[**Author**](#_1fob9te) **131**

[**DatTQ**](#_1fob9te) **131**

[**Date**](#_1fob9te) **131**

[**18/07/2020**](#_1fob9te) **131**

[**Priority**](#_1fob9te) **131**

[**Low**](#_1fob9te) **131**

[Actor](#_wsxpraj9dgob) 131

[**HR Staff**](#_1fob9te) **131**

[Summary](#_o6lauacyg3z7) 1

[HR Staff deletes a job in the system](#_12rhaifa6yjq) 1

[Goal](#_opvaq5v2zuxi) 1

[**Delete a job**](#_1fob9te) **131**

[Triggers](#_z25f1hpazpi1) 1

[HR Staff clicks “Xóa” button on Jobs management page](#_inyhjg1fk6qx) 131

[Preconditions](#_wz555a36yiam) 131

[User has successfully logged in to the system as the HR Staff role](#_o0aukkkin3d9) 131

[Post Conditions](#_enguz95mwea9) 132

[**Delete a job**](#_1fob9te) **132**

[Main Success Scenario](#_v606zey8p538) 132

[Alternative Scenario](#_qmoiimbmcv6r) 132

[N/A](#_tweweczcr6gu) 132

[Exceptions](#_8gml64ur34zp) 132

[N/A](#_t0jgx73iwv07) 132

[Business Rules](#_jw5egwhzwaf1) 132

[When HR Staff deletes a job which has CV applied, although the system doesn’t delete the job, the system will hide the job.](#_8ghl71f5cgd4) 132

[**2.2.3.60. Use case 60: Search job in HR**](#_1fob9te) **132**

[**USE CASE-60 SPECIFICATION**](#_1fob9te) **132**

[**Use-case No.**](#_1fob9te) **132**

[**<UC60>**](#_1fob9te) **132**

[**Use-case Version**](#_1fob9te) **132**

[**<1.0>**](#_1fob9te) **132**

[**Use-case Name**](#_1fob9te) **132**

[**Search Job In HR**](#_1fob9te) **132**

[**Author**](#_1fob9te) **132**

[**DatTQ**](#_1fob9te) **132**

[**Date**](#_1fob9te) **132**

[**18/07/2020**](#_1fob9te) **132**

[**Priority**](#_1fob9te) **132**

[**Medium**](#_1fob9te) **132**

[Actor](#_u30jja1pau6h) 132

[**HR Staff**](#_1fob9te) **132**

[Summary](#_qyohdoi2l02w) 132

[HR Staff find jobs that he/she needs,searching keywords include:](#_ia7yrlrmyqnd) 132

[Goal](#_whb4kumss1h5) 132

[Display list of jobs filter by some input searching](#_kgf65tgr1bd1) 132

[Triggers](#_fq8je172vg51) 132

[HR Staff choose the options in filter menu (Quản lý tin tuyển dụng) then click “Tìm kiếm”](#_6jc1brknmg8o) 132

[Preconditions](#_6yba5bfia1m7) 133

[User has successfully logged in to the system as the HR Staff role](#_m0ym4fhjhuvx) 133

[Post Conditions](#_ug053x2e2ii7) 133

[HR Staff find jobs that HR Staff needs](#_ltvned3kd0ba) 133

[Main Success Scenario](#_bucgyvx66uja) 1

[Alternative Scenario](#_d2upgkgocxxg) 133

[N/A](#_xtemwaq7jea5) 133

[Exceptions](#_tep0dfkhic3s) 133

[N/A](#_jxee7qdlkv66) 1

[Business Rules](#_nr7xpw2ncy8) 133

[Maximum length of job title name field is 255](#_t3tuwhegj8oy) 133

[**2.2.3.61. Use case 61: View list CVs applied for a job**](#_1fob9te) **133**

[**USE CASE-61 SPECIFICATION**](#_1fob9te) **133**

[**Use-case No.**](#_1fob9te) **133**

[**<UC61>**](#_1fob9te) **133**

[**Use-case Version**](#_1fob9te) **133**

[**<1.0>**](#_1fob9te) **133**

[**Use-case Name**](#_1fob9te) **133**

[**Author**](#_1fob9te) **133**

[**TungBT**](#_1fob9te) **133**

[**Date**](#_1fob9te) **133**

[**18/07/2020**](#_1fob9te) **133**

[**Priority**](#_1fob9te) **133**

[**Medium**](#_1fob9te) **133**

[Actor](#_6t0waki713ew) 133

[HR Staff](#_d8m4qzyr8dv3) 133

[Summary](#_5dsq2xulty8d) 133

[Goal](#_y645s1kgsf4) 1

[View list of all CVs applied for a job](#_wx365x4uzzdx) 133

[Triggers](#_lwgy86n8glrt) 133

[Click to the number of CV applied for a job on Job management page](#_f2z643u8vu0) 133

[Preconditions](#_ipwvztfmtdcg) 133

[User has successfully logged in to the system as the HR Staff role](#_yjt63eytut02) 133

[Post Conditions](#_bcg4liltk6c7) 134

[View list of all CVs applied for a job](#_v38q6raybnek) 134

[Main Success Scenario](#_u0dzb7ec6w1j) 1

[User clicks to the number of CV applied for a job](#_whk33wcz868s) 134

[Alternative Scenario](#_gvuc7uyyk57l) 134

[N/A](#_fav5yx9q4c1f) 134

[Exceptions](#_robbp65enqfb) 134

[N/A](#_3km3u5lwxu9u) 134

[Business Rules](#_2n070ihahf4i) 1

[N/A](#_fpt34byure3) 1

[2.2.3.62. Use case 62: View all error emails](#_xm1nfx9cofsm) 134

[**USE CASE-62 SPECIFICATION**](#_1fob9te) **135**

[**Use-case No.**](#_1fob9te) **135**

[**<UC62>**](#_1fob9te) **135**

[**Use-case Version**](#_1fob9te) **135**

[**<1.0>**](#_1fob9te) **135**

[**Use-case Name**](#_1fob9te) **135**

[**Author**](#_1fob9te) **135**

[**DatTQ**](#_1fob9te) **135**

[**Date**](#_1fob9te) **135**

[**18/07/2020**](#_1fob9te) **135**

[**Priority**](#_1fob9te) **135**

[**Medium**](#_1fob9te) **135**

[Actor](#_gu83ua86wvqj) 135

[HR Staff](#_dy89xue5cpwc) 135

[Summary](#_a3ukqww565t3) 135

[Emailing candidates (successful application notification or quiz link) may be an error (the network does not allow or other reasons). HR Staff can review unsuccessful emails in the tab “Quản lý Email lỗi”](#_c5v8dlqe9b9v) 135

[Goal](#_2ipmt2svndar) 135

[HR Staff view list of error email](#_v77s9e8q6jdc) 135

[Triggers](#_uwzyv88gxjw) 135

[HR Staff click tab “Quản lý Email lỗi” on the sidebar of HR Staff page](#_di6cgw5qhxe3) 135

[Preconditions](#_lr57grp26hxp) 135

[User has successfully logged in to the system as the HR Staff role](#_be53mrdeh613) 135

[Post Conditions](#_kirzy715db) 135

[View all error email](#_5mz3ztz4av4g) 135

[Main Success Scenario](#_5962mvvllcew) 135

[Alternative Scenario](#_po7mv6mgbgzk) 135

[N/A](#_2rgmcs3kiiko) 135

[Exceptions](#_qzwvlbe3vvrn) 1

[N/A](#_4r2wf6vkepop) 1

[Business Rules](#_voqyt2pr536h) 135

[N/A](#_8k33uv1r8uqt) 135

[2.2.3.63. Use case 63: Resend all error emails](#_9md0gzdqhbtb) 135

[**USE CASE-63 SPECIFICATION**](#_1fob9te) **135**

[**Use-case No.**](#_1fob9te) **135**

[**<UC63>**](#_1fob9te) **135**

[**Use-case Version**](#_1fob9te) **135**

[**<1.0>**](#_1fob9te) **135**

[**Use-case Name**](#_1fob9te) **135**

[**Author**](#_1fob9te) **135**

[**DatTQ**](#_1fob9te) **135**

[**Date**](#_1fob9te) **135**

[**18/07/2020**](#_1fob9te) **135**

[**Priority**](#_1fob9te) **135**

[**Medium**](#_1fob9te) **135**

[Actor](#_h2jpjl1hef77) 135

[HR Staff](#_litv0lw0e3li) 135

[Summary](#_i9smtw9ldtd8) 135

[Resend all the failed emails at once](#_jt1vkt6lo0as) 135

[Goal](#_joatdyqkv8pq) 135

[Resend all error email to candidates](#_vi1ig3kyc9we) 135

[Triggers](#_tqmsudez1rh5) 136

[HR Staff click tab “Gửi lại những Email lỗi” on error email management page](#_9j1r4klf9a2p) 136

[Preconditions](#_rwtkg444x5aq) 1

[User has successfully logged in to the system as the HR Staff role](#_bo54nfkot21q) 136

[Post Conditions](#_lkjk2wk0l7c5) 136

[Resend all error email to candidates](#_7w3ztg1rl80n) 136

[Main Success Scenario](#_62lmpkx0fv09) 136

[Alternative Scenario](#_k2kosq47gf0x) 136

[N/A](#_y212e4deuj96) 1

[Exceptions](#_8m06mklnzzxt) 1

[IP address is not allowed to send mail from domain](#_uibcriok1bwl) 136

[Business Rules](#_t9vqm3505xru) 136

[Must exist email of sender and received](#_tls079qxf8si) 136

[**2.2.3.64. Use case 64: Resend each error email**](#_1fob9te) **136**

[**USE CASE-64 SPECIFICATION**](#_1fob9te) **136**

[**Use-case No.**](#_1fob9te) **136**

[**<UC64>**](#_1fob9te) **136**

[**Use-case Version**](#_1fob9te) **136**

[**<1.0>**](#_1fob9te) **136**

[**Use-case Name**](#_1fob9te) **136**

[**Author**](#_1fob9te) **136**

[**DatTQ**](#_1fob9te) **1**

[**Date**](#_1fob9te) **1**

[**18/07/2020**](#_1fob9te) **136**

[**Priority**](#_1fob9te) **136**

[**Low**](#_1fob9te) **136**

[Actor](#_x6qnaakrbh2o) 136

[HR Staff](#_4zy9g0m7absa) 136

[Summary](#_i4c2kos3dvpv) 136

[After reviewing the failed emails, HR Staff can just click resend email to a person they specify, no need to resend all email at once](#_xhz2rboe4khb) 136

[Goal](#_z0lqcs7qcnkv) 136

[Resend a certain error email](#_cdsgwsqomglx) 136

[Triggers](#_nj0i0ufxdvs0) 136

[HR Staff click the button “Gửi lại” of an error email](#_lf50lrizyvrv) 136

[Preconditions](#_khsvwvh73vx7) 136

[User has successfully logged in to the system as the HR Staff role](#_5bgerkuqhdbv) 136

[Post Conditions](#_o57ae39bzymj) 137

[Resend a certain error email](#_rqebw7z35c9l) 137

[Main Success Scenario](#_zi0cm9reit74) 137

[Alternative Scenario](#_ew2jlx6kjdrh) 137

[N/A](#_abfyh3ntc5c5) 137

[Exceptions](#_ajjfxhgjl33m) 137

[IP address is not allowed to send mail from domain](#_rr40sapcpwz6) 137

[Business Rules](#_ss2glmk7fhm) 137

[Must exist email of sender and received](#_qnqt7tncnai9) 137

[2.3. Non-functional Requirement](#_jy82zb6chr46) 137

[**2.3.1 Reliability**](#_1fob9te) **137**

[**2.3.3 Security**](#_1fob9te) **137**

[2.3.4 Maintainability](#_2y90ymvg0a8j) 138

[**2.3.5 Portability**](#_1fob9te) **138**

[**3. Entity Relationship Diagram**](#_1fob9te) **138**

# **Software Requirement Specification**

## **1. Purpose**

This chapter outlines functional and non-functional requirements of our system. It also provides some format constraints in common requirements and project success criteria. The content of this chapter is used as the basis for the work in the subsequent chapters.

## **2. System requirement specification**

## **2.1. External interface requirements**

## ***2.1.1. User interfaces***

* **Standard user interface:**
  + Font-family: Monstercat
  + Font-size: 16px
  + Icon: Font Awesome 5
  + Colors: The main color of this system is:**#F36523**
* **Screen resolution:**This system supports responsiveness for candidate’s screens: mobiles, desktops, tablets, laptops.

## ***2.1.2. Hardware interfaces***

N/A

## ***2.1.3. Software interfaces***

* Connecting to databases: Microsoft SQL Server
* Transfer protocol: HTTP
* This system uses Simple Mail Transfer Protocol (SMTP) to automatically send email to the candidates

## ***2.1.4. Communications protocol***

* HTTP

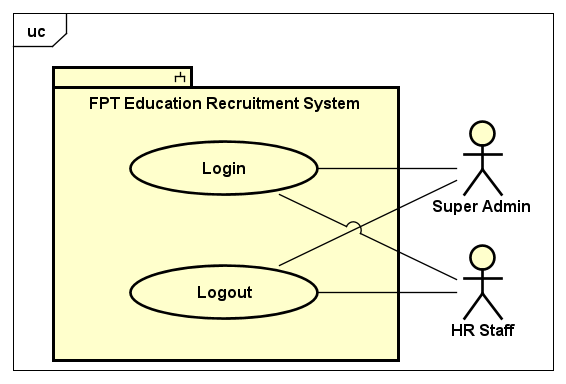
## **2.2. System features**

## ***2.2.1. Use case diagram***

**Use case actors:**

|  |  |
| --- | --- |
| **Actor** | **Description** |
| Super Admin | Human Resources Manager - who takes the highest responsibility in the system. Super Admin has powers in the following functions:   * Account management * Unit management * Location management * Career management * Email management * Quiz, question group and questions management * View system changes (View log) |
| HR Staff | HR Staff who take responsibility related to the following functions:   * CV management * Job management * Failed sent email management |
| Candidate | People who visit the system and expect to apply for a job:   * View information about FPT Education, Jobs, Recruitment process of FPT Education * Apply for a job by create a CV or upload CV file * Take quiz about FPT Education after apply for a job |

**Use case diagram:**



*Figure 1. Common use cases*

## 

*Figure 2. Candidate's use cases*

## 

*Figure 3. Super Admin's use cases*

## 

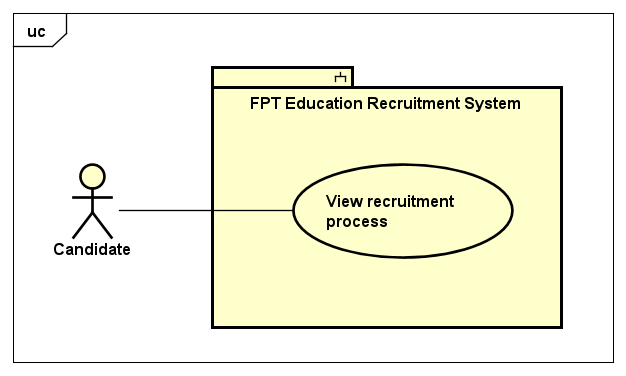
*Figure 4. HR Staff's use cases*

## ***2.2.2. Use cases***

|  |  |  |
| --- | --- | --- |
| **ID** | **Actor** | **Name** |
| UC-01 | Candidate | View recruitment process |
| UC-02 | Candidate | View home |
| UC-03 | Candidate | View all jobs |
| UC-04 | Candidate | View list jobs by region |
| UC-05 | Candidate | View list jobs by unit |
| UC-06 | Candidate | View job detail |
| UC-07 | Candidate | Search job |
| UC-08 | Candidate | Create CV |
| UC-09 | Candidate | Upload CV |
| UC-10 | Candidate | Register potential candidate |
| UC-11 | Candidate | Edit CV |
| UC-12 | Candidate | Take quiz |
| UC-13 | Super Admin | View all accounts |
| UC-14 | Super Admin | Add account |
| UC-15 | Super Admin | Edit account |
| UC-16 | Super Admin | Delete account |
| UC-17 | Super Admin | View all units |
| UC-18 | Super Admin | Add unit |
| UC-19 | Super Admin | Edit unit |
| UC-20 | Super Admin | Delete unit |
| UC-21 | Super Admin | View all locations |
| UC-22 | Super Admin | Add location |
| UC-23 | Super Admin | Edit location |
| UC-24 | Super Admin | Delete location |
| UC-25 | Super Admin | View all question groups |
| UC-26 | Super Admin | Add question group |
| UC-27 | Super Admin | Edit question group |
| UC-28 | Super Admin | Delete question group |
| UC-29 | Super Admin | View all questions |
| UC-30 | Super Admin | Add question |
| UC-31 | Super Admin | Edit question |
| UC-32 | Super Admin | Delete question |
| UC-33 | Super Admin | Search question |
| UC-34 | Super Admin | View all quizzes |
| UC-35 | Super Admin | Add quiz |
| UC-36 | Super Admin | Edit quiz |
| UC-37 | Super Admin | Delete quiz |
| UC-38 | Super Admin | View all careers |
| UC-39 | Super Admin | Add career |
| UC-40 | Super Admin | Edit career |
| UC-41 | Super Admin | Delete career |
| UC-42 | Super Admin | View all config emails |
| UC-43 | Super Admin | Add config email |
| UC-44 | Super Admin | Edit config email |
| UC-45 | Super Admin | Delete config email |
| UC-46 | Super Admin | View logs |
| UC-47 | Super Admin, Hr Staff | Login |
| UC-48 | Super Admin, Hr Staff | Logout |
| UC-49 | HR Staff | View all CVs |
| UC-50 | HR Staff | View detail CV |
| UC-51 | HR Staff | Change CV status |
| UC-52 | HR Staff | Search CV |
| UC-53 | HR Staff | Delete CV |
| UC-54 | HR Staff | Send email quiz |
| UC-55 | HR Staff | Export CV |
| UC-56 | HR Staff | View all jobs |
| UC-57 | HR Staff | Add job |
| UC-58 | HR Staff | Edit job |
| UC-59 | HR Staff | Delete job |
| UC-60 | HR Staff | Search job in HR |
| UC-61 | HR Staff | View list CVs applied for a job |
| UC-62 | HR Staff | View all error emails |
| UC-63 | HR Staff | Resend all error email |
| UC-64 | HR Staff | Resend each error email |

**2.2.3. System feature**

## ***2.2.3.1. Use case 01: View recruitment process***



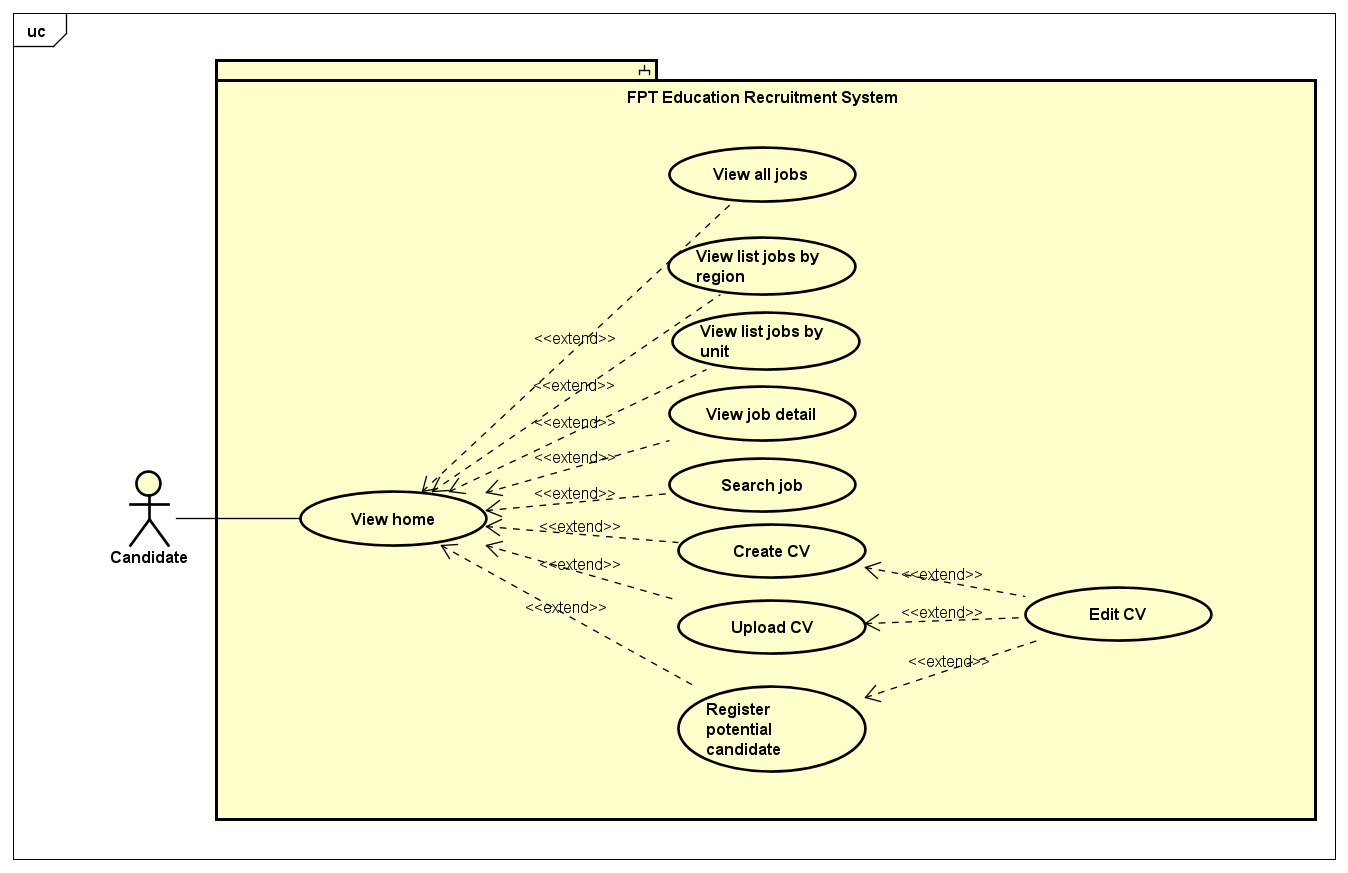
*Figure 5. View recruitment process*

## 

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-01 SPECIFICATION** | | | | |
| **Use-case No.** | <UC01> | **Use-case Version** | | <1.0> |
| **Use-case Name** | View recruitment process | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Candidate | | | |
| **Summary** | Candidate views information about recruitment process of FPT Education | | | |
| **Goal** | Display information about recruitment process | | | |
| **Triggers** | Candidate clicks on the link “Quy trình tuyển dụng” in the footer | | | |
| **Preconditions** | N/A | | | |
| **Post Conditions** | Candidate view information about recruitment process of FPT Education | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Candidate clicks on “Quy trình tuyển dụng” in footer |  | | **2** |  | Redirect to recruitment process page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** |  | | | |
| **Business Rules** | N/A | | | |

## 

## ***2.2.3.2. Use case 02: View home***



*Figure 6. View home use cases*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-02 SPECIFICATION** | | | | |
| **Use-case No.** | <UC02> | **Use-case Version** | | <1.0> |
| **Use-case Name** | View home | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | High | |
| **Actor** | Candidate | | | |
| **Summary** | Candidate view information in home page | | | |
| **Goal** | Display information in home page | | | |
| **Triggers** | Candidate visit the website in the browser | | | |
| **Preconditions** | N/A | | | |
| **Post Conditions** | Candidate view information in home page | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | User visit the website in the browser by typing url ***“career.fpt.edu.vn”*** |  | | **2** |  | Connect successfully, system display home page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## 

## ***2.2.3.3 Use case 03: View all jobs***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-03 SPECIFICATION** | | | | |
| **Use-case No.** | <UC03> | **Use-case Version** | | <1.0> |
| **Use-case Name** | View all jobs | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Candidate | | | |
| **Summary** | Candidate views list of all the jobs that are in need of recruitment | | | |
| **Goal** | Display list of all jobs that are in need of recruitment | | | |
| **Triggers** | Click on the link “Vị trí tuyển dụng” on the header | | | |
| **Preconditions** | N/A | | | |
| **Post Conditions** | View list of all jobs | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | User visits FERS website |  | | **2** |  | Display home page default | | **3** | User clicks on the link “Vị trí tuyển dụng” on the header |  | | **4** |  | Redirect to list job page and display all jobs | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## 

## ***2.2.3.4. Use case 04: View list jobs by region***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-04 SPECIFICATION** | | | | |
| **Use-case No.** | <UC04> | **Use-case Version** | | <1.0> |
| **Use-case Name** | View list jobs by region | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Candidate | | | |
| **Summary** | Candidate views list of all jobs filtered by a region | | | |
| **Goal** | View list jobs filtered by a region | | | |
| **Triggers** | Click button “Xem thêm” on a section job of a region | | | |
| **Preconditions** | N/A | | | |
| **Post Conditions** | View list jobs filtered by a region | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | User visits FERS website |  | | **2** |  | Display home page default | | **3** | Click button “Xem thêm” on a section job of a region |  | | **4** |  | Redirect to list job page and show list of jobs filtered by the region user clicked on | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## ***2.2.3.5. Use case 05: View list jobs by unit***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-05 SPECIFICATION** | | | | |
| **Use-case No.** | <UC05> | **Use-case Version** | | <1.0> |
| **Use-case Name** | View list jobs by unit | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Candidate | | | |
| **Summary** | Candidate views list of all jobs filtered by an unit | | | |
| **Goal** | View list jobs filtered by an unit | | | |
| **Triggers** | Click on the unit link in the "Các vị trí tuyển dụng" section on the home page | | | |
| **Preconditions** | N/A | | | |
| **Post Conditions** | View list jobs filtered by an unit | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | User visits FERS website |  | | **2** |  | Display home page default | | **3** | Click on the unit link in the "Các vị trí tuyển dụng" section on the home page |  | | **4** |  | Redirect to list job page and show list of jobs filtered by the unit user clicked on | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## ***2.2.3.6 Use case 06: View job detail***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-06 SPECIFICATION** | | | | |
| **Use-case No.** | <UC06> | **Use-case Version** | | <1.0> |
| **Use-case Name** | View job detail | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Candidate | | | |
| **Summary** | Candidate view detailed information about a job | | | |
| **Goal** | Display detailed information about a job | | | |
| **Triggers** | Candidate click on a job | | | |
| **Preconditions** | N/A | | | |
| **Post Conditions** | Candidate view detailed information about a job | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Candidate visits FERS website |  | | **2** |  | Display homepage | | **3** | Scroll down to top recruitment jobs section, then clicks to a job |  | | **5** |  | Redirect to job detail page and display detailed information about the job | | | | | |
| **Alternative Scenario** | | | | |
| Alternative Scenario 1:  |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Candidate visits FERS website |  | | **2** |  | Display homepage | | **3** | Candidate clicks “Xem thêm” to see list job filtered by region |  | | **4** |  | Move to list job page and display list jobs filtered by region | | **5** | Click on a job |  | | **6** |  | Move to job detail page and display detailed information about the job |  Alternative Scenario 2:  |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Candidate visits FERS website |  | | **2** |  | Display homepage | | **3** | Candidate clicks “Vị trí tuyển dụng” on header |  | | **4** |  | Redirect to list all jobs page and display all jobs that are in recruitment need | | **5** | Click on a job |  | | **6** |  | Move to job detail page and display detailed information about the job | | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## ***2.2.3.7 Use case 07: Search job***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-07 SPECIFICATION** | | | | |
| **Use-case No.** | <UC07> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Search job | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Candidate | | | |
| **Summary** | Candidate find a job that he/she needs | | | |
| **Goal** | Display list of job filter by some input searching | | | |
| **Triggers** | Candidate chooses the options in filter menu (homepage) then click “Tìm kiếm” | | | |
| **Preconditions** | N/A | | | |
| **Post Conditions** | Candidate find a job that candidate needs | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Candidate visits FERS website |  | | **2** |  | Display homepage | | **3** | Candidate fills in input fields on filter menu include:   1. Keyword (text) 2. Unit (drop down list) 3. Career (drop down list) 4. Location (drop down list)   Candidate clicks “Tìm kiếm” button |  | | **4** |  | Redirect to list job page and display the jobs filtered by searching keywords | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | * All input fields must not be blank | | | |

## ***2.2.3.8 Use case 08: Create CV***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-08 SPECIFICATION** | | | | |
| **Use-case No.** | <UC08> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Create CV | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | High | |
| **Actor** | Candidate | | | |
| **Summary** | Candidate create a CV to apply job | | | |
| **Goal** | Create CV a basic CV | | | |
| **Triggers** | Candidate click “Chưa có CV” on modal dialog | | | |
| **Preconditions** | N/A | | | |
| **Post Conditions** | Candidate create a CV | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Candidate visits FERS website |  | | **2** |  | Display homepage | | **3** | Candidate click “Ứng tuyển ngay” on a detail job |  | | **4** |  | Display the confirmation dialog to ask if the candidate has a CV yet, include 2 options:   * “Chưa có CV” * “Đã có CV” | | **5** | Click “Chưa có CV” |  | | **6** |  | Display the create CV dialog | | **7** | Fill in the input fields then click “Nộp CV” |  | | **8** |  | Notice of success and redirect to homepage | | | | | |
| **Alternative Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Candidate visits FERS website |  | | **2** |  | Display homepage | | **3** | Candidate clicks “Xem thêm” to see list job filtered by region |  | | **4** |  | Move to list job page and display list jobs filtered by region | | **5** | Click on a job |  | | **6** |  | Move to job detail page and display detailed information about the job | | **7** | Candidate click the button “Ứng tuyển ngay” on a detail job page |  | | **8** |  | Display the confirmation dialog to ask if the candidate has a CV yet, include 2 options:   * “Chưa có CV” * “Đã có CV” | | **9** | Click “Chưa có CV” |  | | **10** |  | Display the create CV dialog | | **11** | Fill in the input fields then click “Nộp CV” |  | | **12** |  | Notice of success and redirect to homepage | | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | * All input fields that include (\*) must not be blank * The maximum length of input text fields is 255 * The maximum length of text area fields is 5000 | | | |

## ***2.2.3.9 Use case 09: Upload CV***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-09 SPECIFICATION** | | | | |
| **Use-case No.** | <UC09> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Upload CV | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | High | |
| **Actor** | Candidate | | | |
| **Summary** | Once the candidate has a CV, he can upload it to the system | | | |
| **Goal** | Upload CV to the system to apply a job | | | |
| **Triggers** | Candidate click “Upload CV” on modal dialog | | | |
| **Preconditions** | N/A | | | |
| **Post Conditions** | Upload CV to the system | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Candidate visits FERS website |  | | **2** |  | Display homepage | | **3** | Candidate click “Ứng tuyển ngay” on a detail job |  | | **4** |  | Display the confirmation dialog to ask if the candidate has a CV yet, include 2 options:   * “Chưa có CV” * “Đã có CV” | | **5** | Click “Chưa có CV” |  | | **6** |  | Show modal Upload CV | | **7** | Fill in the input fields then click “Nộp CV” |  | | **8** |  | Notice of successful CV upload | | | | | |
| **Alternative Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Candidate visits FERS website |  | | **2** |  | Display homepage | | **3** | Candidate clicks “Xem thêm” to see list job filtered by region |  | | **4** |  | Move to list job page and display list jobs filtered by region | | **5** | Click on a job |  | | **6** |  | Move to job detail page and display detailed information about the job | | **7** | Candidate click “Ứng tuyển ngay” on a detail job |  | | **8** |  | Display the confirmation dialog to ask if the candidate has a CV yet, include 2 options:   * “Chưa có CV” * “Đã có CV” | | **9** | Click “Chưa có CV” |  | | **10** |  | Show modal Upload CV | | **11** | Fill in the input fields then click “Nộp CV” |  | | **12** |  | Notice of successful CV upload | | | | | |
| **Exceptions** | * **Failed to upload CV file to server** The system gives notification and asks the user to re-upload | | | |
| **Business Rules** | * All input fields that include (\*) must not be blank * The maximum length of input text fields is 255 * The maximum length of text area fields is 5000 * The maximum capacity of CV file is 5MB * CV file must be PDF | | | |

## ***2.2.3.10 Use case 10: Register potential candidate***

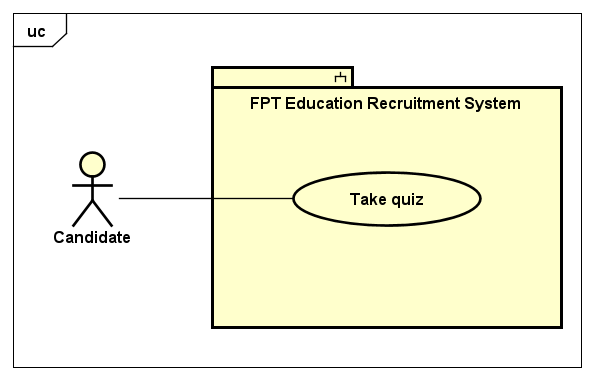
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-10 SPECIFICATION** | | | | |
| **Use-case No.** | <UC10> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Register potential candidate | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Candidate | | | |
| **Summary** | When the candidate has not found the desired job, but they intend to apply in the future, they can leave personal information for HR staff to advise them. | | | |
| **Goal** | Candidate register information | | | |
| **Triggers** | Candidate clicks on the button “Đăng ký” in Homepage | | | |
| **Preconditions** | N/A | | | |
| **Post Conditions** | Candidate submit form to send information to the system | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Candidate visits FERS website |  | | **2** |  | Display homepage | | **3** | Click on the button “Đăng ký” |  | | **4** |  | Display modal register potential candidate | | **5** | Fill in all input fields and click “Đăng ký” |  | | **6** |  | Notice of success and close dialog | | | | | |
| **Alternative Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Candidate visits FERS website |  | | **2** |  | Display homepage | | **3** | Click the link “Gia nhập với chúng tôi” on the header |  | | **4** |  | Display modal register potential candidate | | **5** | Fill in all input fields and click “Đăng ký” |  | | **6** |  | Notice of success and close dialog | | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | * All input fields that include (\*) must not be blank * The maximum length of input text fields is 255 * The maximum length of text area fields is 5000 | | | |

## ***2.2.3.11 Use case 11: Edit CV***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-11 SPECIFICATION** | | | | |
| **Use-case No.** | <UC11> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Edit CV | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Candidate | | | |
| **Summary** | After successfully creating a simple CV on the system, an email will be sent to the candidate, including a link to the page where candidates can edit their CV. | | | |
| **Goal** | Edit the CV | | | |
| **Triggers** | N/A | | | |
| **Preconditions** | Candidates successfully submit their CV by creating it directly on the system | | | |
| **Post Conditions** | Edit the CV | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of one of the following use case:   * UC-08: Create CV * UC-09: Upload CV * UC-10: Register potential candidate |  | | **2** |  | Send an email to the candidate, including a link to the page where candidates can edit their CV. | | **3** | Candidate clicks the link |  | | **4** |  | Redirect to edit CV page | | **5** | Candidate edits information of the CV and clicks submit button |  | | **6** |  | Notice of success then display home page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | * All input fields that include (\*) must not be blank * The maximum length of input text fields is 255 * The maximum length of text area fields is 5000 | | | |

## 

## ***2.2.3.12. Use case 12: Take quiz***



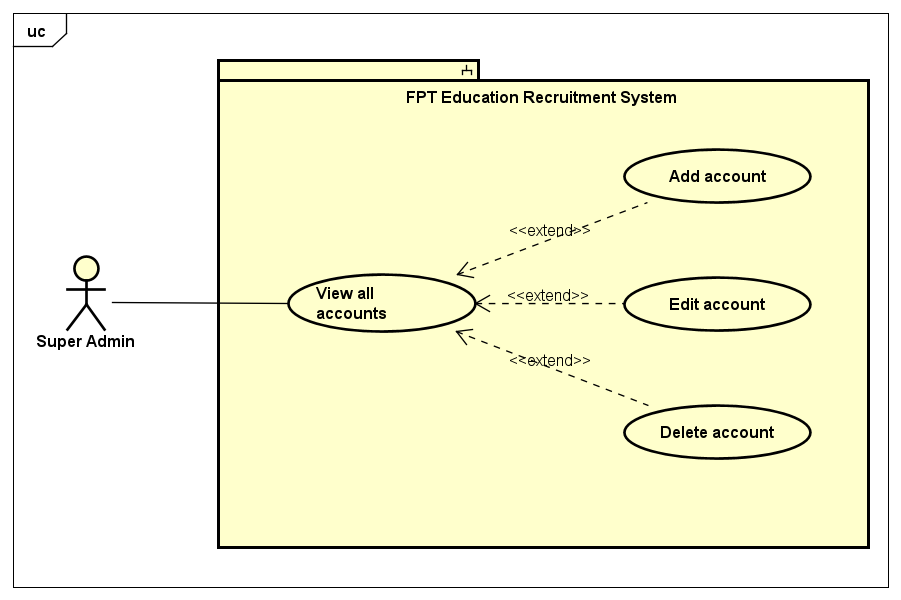
*Figure 7. Take quiz use case*

## 

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-12 SPECIFICATION** | | | | |
| **Use-case No.** | <UC12> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Take quiz | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Candidate | | | |
| **Summary** | Candidate received a document about FPT Education to learn about FE, then do a small quiz | | | |
| **Goal** | Help candidate to understand more about FPT Education | | | |
| **Triggers** | N/A | | | |
| **Preconditions** | HR Staff clicks send mail to the candidate to take quiz | | | |
| **Post Conditions** | Candidate do a small quiz about FPT Education | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | After HR Staff does normal flow of UC-54 (Send email quiz), Candidate will be received an email that includes link to the quiz  Candidate clicks to the link to the quiz |  | | **2** |  | Redirect to the quiz page | | **3** | After answer all questions, candidate click the button “Nộp bài” to submit the quiz |  | | **4** |  | Display success message: "Chúc mừng bạn đã hoàn thành bài kiểm tra !" | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | Each question has one or more right answers  * Time for a quiz is 40 minutes | | | |

## 

## ***2.2.3.13 Use case 13: View all accounts***



*Figure 8. Account management use cases*

## 

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-13 SPECIFICATION** | | | | |
| **Use-case No.** | <UC13> | **Use-case Version** | | <1.0> |
| **Use-case Name** | View all accounts | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin view all accounts in the system | | | |
| **Goal** | View all accounts in the system | | | |
| **Triggers** | Super Admin clicks tab “Quản lý tài khoản” on the sidebar of admin dashboard | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Super Admin views table of accounts | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | User logins as role of Super Admin |  | | **2** |  | Display admin dashboard with account management tab default | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## ***2.2.3.14. Use case 14: Add account***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-14 SPECIFICATION** | | | | |
| **Use-case No.** | <UC14> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Add account | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin adds an account to the system | | | |
| **Goal** | Add a new account | | | |
| **Triggers** | Super Admin clicks “Tạo tài khoản mới” button on account management page | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Add a new account to the system | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | User logins as role of Super Admin |  | | **2** |  | Display account management page | | **3** | Click on “Tạo tài khoản mới” button |  | | **4** |  | Redirect to create account page | | **5** | Fill in all input fields and submit the form |  | | **6** |  | If creating successfully, the system will redirect to the account manage page and notify a success message  If creating error, the system will redirect to the error page and show message of the error | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | Email must be valid type of email and not duplicate | | | |

## ***2.2.3.15. Use case 15: Edit account***

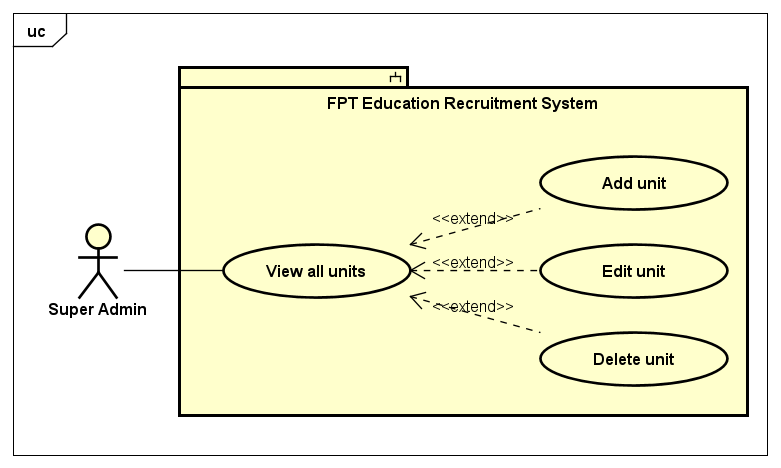
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-15 SPECIFICATION** | | | | |
| **Use-case No.** | <UC15> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Edit account | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Super Admin | | | |
| **Summary** | User has successfully logged in to the system as the Super Admin role | | | |
| **Goal** | Edit an existing account | | | |
| **Triggers** | Super Admin clicks “Sửa” button on an account when view all accounts | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Edit information about the account | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-13 |  | | **2** |  | Display all accounts of the system | | **3** | Click “Sửa” button on an account |  | | **4** |  | Display edit account page | | **5** | Edit information of the account and submit the form |  | | **6** |  | Notice of success and back to account management page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | Email must be valid type of email and not duplicate | | | |

## ***2.2.3.16. Use case 16: Delete account***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-16 SPECIFICATION** | | | | |
| **Use-case No.** | <UC16> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Delete account | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin deletes an account in the system | | | |
| **Goal** | Delete an account | | | |
| **Triggers** | Super Admin clicks “Xoá” button on account management page | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Delete an account | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-13 |  | | **2** |  | Display all accounts of the system | | **3** | Click “Xoá” button on an account |  | | **4** |  | Give a confirmation message | | **5** | Confirm to delete the account |  | | **6** |  | Delete the account then display account management page | | | | | |
| **Alternative Scenario** | | | | |
|  | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | Super Admin can not delete account of himself | | | |

## 

## ***2.2.3.17. Use case 17: View all units***



*Figure 9. Unit management use cases*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-17 SPECIFICATION** | | | | |
| **Use-case No.** | <UC17> | **Use-case Version** | | <1.0> |
| **Use-case Name** | View all units | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Super Admin | | | |
| **Summary** | Super admin accesses the unit management page and views all units of the system | | | |
| **Goal** | View list of units in FPT Education system | | | |
| **Triggers** | User clicks the tab “Quản lý đơn vị” on the sidebar of admin dashboard | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | View list of units in FPT Education system | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | User logins as Super Admin role |  | | **2** |  | Display Account management page by default | | **3** | User clicks on “Quản lý đơn vị” tab on the sidebar |  | | **4** |  | Display unit management page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## 

## ***2.2.3.18. Use case 18: Add unit***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-18 SPECIFICATION** | | | | |
| **Use-case No.** | <UC18> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Add unit | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin creates a new unit into FPT Education system | | | |
| **Goal** | Create a new unit | | | |
| **Triggers** | User clicks on “Thêm đơn vị làm việc” button on unit management page | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Create a new unit into the system | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-17 and click on “Thêm đơn vị làm việc” button |  | | **2** |  | Display create an unit page | | **3** | Enter information in the input fields then click submit button |  | | **4** |  | Notice of success and redirect to unit management page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | Maximum size of image file is 5MB | | | |

## ***2.2.3.19. Use case 19: Edit unit***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-19 SPECIFICATION** | | | | |
| **Use-case No.** | <UC19> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Edit unit | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin edits information of an unit in FPT Education system | | | |
| **Goal** | Edit information of an unit | | | |
| **Triggers** | Click on “Sửa” button of an unit | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Edit an unit | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-17 |  | | **2** |  | Display unit management page | | **3** | Click on “Sửa” button of an unit |  | | **4** |  | Display edit an unit page | | **5** | Edit information of the unit then submit form |  | | **6** |  | Notice of success then redirect to unit management page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | Maximum length of unit’s name is 255 | | | |

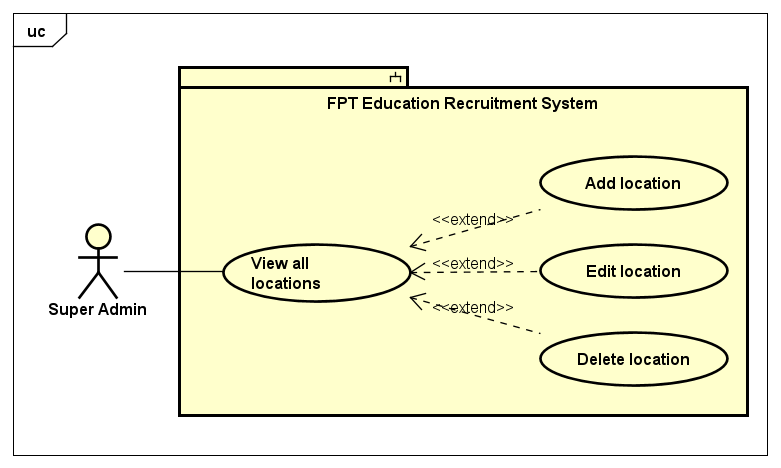
## 

## ***2.2.3.20. Use case 20: Delete unit***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-20 SPECIFICATION** | | | | |
| **Use-case No.** | <UC20> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Delete unit | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin deletes an unit of FPT Education system | | | |
| **Goal** | Delete an unit | | | |
| **Triggers** | Click on “Xoá” button of an unit | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Delete an unit | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-17 |  | | **2** |  | Display unit management page | | **3** | User clicks on “Xoá” button of an unit |  | | **4** |  | Give confirmation dialog box | | **5** | Confirm to delete the unit |  | | **6** |  | Delete the unit then display unit management page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## 

## ***2.2.3.21. Use case 21: View all locations***



*Figure 10. Location management use cases*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-21 SPECIFICATION** | | | | |
| **Use-case No.** | <UC21> | **Use-case Version** | | <1.0> |
| **Use-case Name** | View all locations | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin views all locations of FPT Education system, these are provinces and cities of Vietnam | | | |
| **Goal** | View all locations of FPT Education system | | | |
| **Triggers** | User clicks the tab “Quản lý địa điểm” on the sidebar of admin dashboard | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | View list of locations in FPT Education system | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | User logins as Super Admin role |  | | **2** |  | Display account management page by default | | **3** | User clicks on “Quản lý địa điểm” tab on the sidebar |  | | **4** |  | Display location management page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## ***2.2.3.22. Use case 22: Add location***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-22 SPECIFICATION** | | | | |
| **Use-case No.** | <UC22> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Add location | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin adds a new location into FPT Education system | | | |
| **Goal** | Add a new location | | | |
| **Triggers** | User clicks on “Thêm địa điểm mới” button on location management page | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Add a new location into the system | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-21 and click on “Thêm địa điểm mới” button |  | | **2** |  | Display add a location page | | **3** | Fill information in the input fields then click submit button |  | | **4** |  | Notice of success and redirect to location management page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | Max length of the location name is 255 | | | |

## ***2.2.3.23. Use case 23: Edit location***

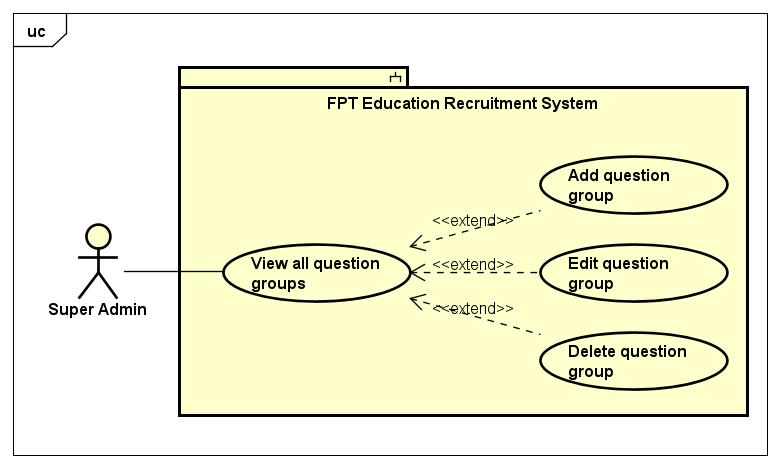
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-23 SPECIFICATION** | | | | |
| **Use-case No.** | <UC23> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Edit location | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin edits information of a location in FPT Education system | | | |
| **Goal** | Edit information of a location | | | |
| **Triggers** | Click on “Sửa” button of a location | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Edit a location | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-21 |  | | **2** |  | Display location management page | | **3** | Click on “Sửa” button of a location |  | | **4** |  | Display edit location page | | **5** | Edit information of the location then submit form |  | | **6** |  | Notice of success then redirect to location management page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | Max length of unit name is 255 | | | |

## ***2.2.3.24. Use case 24: Delete location***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-24 SPECIFICATION** | | | | |
| **Use-case No.** | <UC24> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Delete location | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin deletes a location of FPT Education system | | | |
| **Goal** | Delete a location | | | |
| **Triggers** | Click on “Xóa” button on a location | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Delete a location | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-21 |  | | **2** |  | Display location management page | | **3** | User clicks on “Xóa” button on a location |  | | **4** |  | Give confirmation message | | **5** | Confirm to delete the location |  | | **6** |  | Delete the location then display location management page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## 

## ***2.2.3.25. Use case 25: View all question groups***



*Figure 11. Question group management use cases*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-25 SPECIFICATION** | | | | |
| **Use-case No.** | <UC25> | **Use-case Version** | | <1.0> |
| **Use-case Name** | View all question groups | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin views all question groups in the system. The questions are divided into groups, each group corresponding to a different topic for easy management | | | |
| **Goal** | View all question groups | | | |
| **Triggers** | User clicks on the tab “Quản lý nhóm câu hỏi” on the sidebar of website | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | View all question groups | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | User logins to the system as role of Super Admin |  | | **2** |  | Display account management page by default | | **3** | User clicks on the tab “Quản lý nhóm câu hỏi” on the sidebar |  | | **4** |  | Display list of question groups on question group management page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## ***2.2.3.26. Use case 26: Add question group***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-26 SPECIFICATION** | | | | |
| **Use-case No.** | <UC26> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Add question group | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin adds a new question group | | | |
| **Goal** | Add a new question group | | | |
| **Triggers** | User clicks the button “Tạo nhóm mới” on question group management page | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Add a new question group | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-25 |  | | **2** |  | Display question group management page | | **3** | User clicks on the button “Tạo nhóm mới” |  | | **4** |  | Display add question group page | | **5** | User enters name of the new question group and clicks “Tạo mới” |  | | **6** |  | Notice of success and display question group management page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

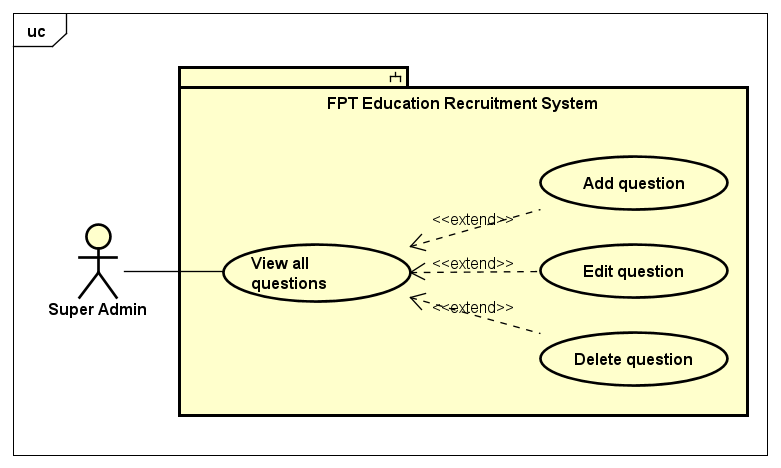
## ***2.2.3.27. Use case 27: Edit question group***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-27 SPECIFICATION** | | | | |
| **Use-case No.** | <UC27> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Edit question group | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin edit the name of a question group | | | |
| **Goal** | Edit a question group | | | |
| **Triggers** | User clicks button “Sửa” of a question group | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Edit a question group | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-25 |  | | **2** |  | Display question group management page | | **3** | User clicks the button “Sửa” on a question group |  | | **4** |  | Display edit question group page | | **5** | User changes the name of the question group |  | | **6** | User clicks “Lưu” to complete editing |  | | **7** |  | Notice of success and display question group management page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | Name of question group must not be blank  * Max length of the name of question group is 255 | | | |

## ***2.2.3.28. Use case 28: Delete question group***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-28 SPECIFICATION** | | | | |
| **Use-case No.** | <UC28> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Delete question group | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin deletes a question group | | | |
| **Goal** | Delete a question group | | | |
| **Triggers** | User clicks button “Xóa” of a question group | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Delete a question group | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-25 |  | | **2** |  | Display question group management page | | **3** | User clicks the button “Xóa” on a question group |  | | **4** |  | Pop up a confirmation dialog box | | **5** | User clicks OK to confirm delete |  | | **6** |  | The system notifies that the question group has been successfully deleted, then refresh page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## ***2.2.3.29. Use case 29: View all questions***



*Figure 12. Question management use cases*

## 

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-29 SPECIFICATION** | | | | |
| **Use-case No.** | <UC29> | **Use-case Version** | | <1.0> |
| **Use-case Name** | View all questions | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin views list of all questions in the system | | | |
| **Goal** | View all questions | | | |
| **Triggers** | Click tab “Quản lý câu hỏi” in the sidebar | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | System show list of questions | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | User logins as role of Super Admin |  | | **2** |  | Display account management page by default | | **3** | User clicks on “Quản lý câu hỏi” tab on the sidebar |  | | **4** |  | Redirect to question management page, show list of all questions | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## 

## ***2.2.3.30. Use case 30: Add question***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-30 SPECIFICATION** | | | | |
| **Use-case No.** | <UC30> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Add question | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Super Admin | | | |
| **Summary** | Super admin adds a new question into question bank | | | |
| **Goal** | Add a new question | | | |
| **Triggers** | User clicks on “Thêm câu hỏi mới” button on question management page | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Add a new question into question bank | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-29 |  | | **2** |  | Display question management page | | **3** | User clicks on “Thêm câu hỏi mới” button |  | | **4** |  | Display add question page | | **5** | Enter information in the input fields then click submit button |  | | **6** |  | Notice of success and move to question management page | | | | | |
| **Alternative Scenario** | | | | |
|  | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | Each question must have at least one correct answer  * Max length of question name field is 255 | | | |

## ***2.2.3.31. Use case 31: Edit question***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-31 SPECIFICATION** | | | | |
| **Use-case No.** | <UC31> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Edit question | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin edits a question in question bank | | | |
| **Goal** | Edit a question | | | |
| **Triggers** | Click on “Sửa” button of an question | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Edit a question | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-29 |  | | **2** |  | Display list of question | | **3** | User clicks on “Sửa” button of a question |  | | **4** |  | Display edit question page | | **5** | User edits input fields and clicks submit button |  | | **6** |  | Notice of success and back to manage question page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | Each question can have one or more correct answers  * Max length of question name field is 255 | | | |

## ***2.2.3.32. Use case 32: Delete question***

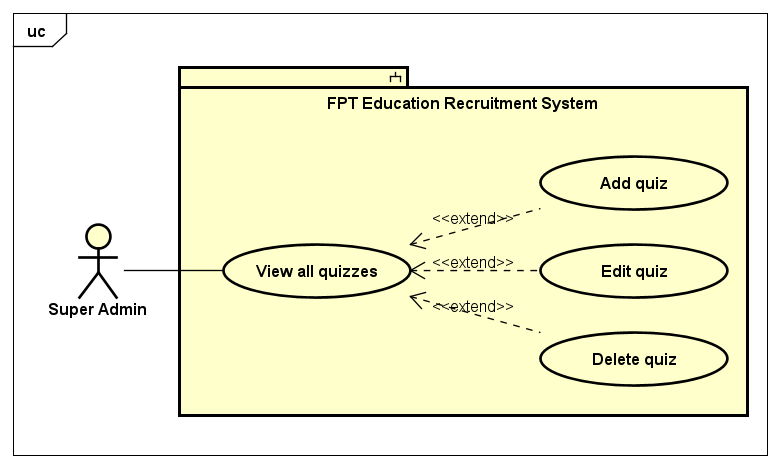
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-32 SPECIFICATION** | | | | |
| **Use-case No.** | <UC32> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Delete question | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin deletes a question in question bank | | | |
| **Goal** | Delete a question | | | |
| **Triggers** | Click on “Xóa” button of a question | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Delete a question | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-29 |  | | **2** |  | Display list of question | | **3** | User clicks on “Xóa” button of a question |  | | **4** |  | Give a confirmation dialog box | | **5** | User clicks OK to delete the question |  | | **6** |  | Delete successfully and refresh page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## ***2.2.3.33. Use case 33: Search question***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-33 SPECIFICATION** | | | | |
| **Use-case No.** | <UC33> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Search question | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin search for questions that he/she wants, searching keywords include:  * Question name * Group question name | | | |
| **Goal** | Search a question | | | |
| **Triggers** | User enters the search keyword and/or chooses group on the search menu bar and then clicks button “Tìm kiếm” | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Search a question | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-29 |  | | **2** |  | Display question management page | | **3** | User enters name of question into text field, select group question in drop down list then clicks the button “Tìm kiếm” |  | | **4** |  | Displays a list of suitable questions | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | If all fields are blank, system will return all records  * Max length of question name field is 255 | | | |

## 

## ***2.2.3.34. Use case 34: View all quizzes***



*Figure 13. Quiz management use cases*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-34 SPECIFICATION** | | | | |
| **Use-case No.** | <UC34> | **Use-case Version** | | <1.0> |
| **Use-case Name** | View all quizzes | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin views list of all quizzes in the system | | | |
| **Goal** | View all quizzes | | | |
| **Triggers** | Click tab “Quản lý đề bài” in the sidebar | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | System show list of quizzes | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | User logins as role of Super Admin |  | | **2** |  | Display account management page by default | | **3** | User clicks on “Quản lý đề bài” tab on the sidebar |  | | **4** |  | Display quiz management page, show list of all quizzes | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## ***2.2.3.35. Use case 35: Add quiz***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-35 SPECIFICATION** | | | | |
| **Use-case No.** | <UC35> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Add quiz | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin | | | |
| **Summary** | Super admin adds a new quiz into quiz bank | | | |
| **Goal** | Add a new quiz | | | |
| **Triggers** | User clicks on “Tạo đề mới” button on quiz management page | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Add a new quiz into quiz bank | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-34 |  | | **2** |  | Display quiz management page | | **3** | User clicks on “Tạo đề mới” button |  | | **4** |  | Display add quiz page | | **5** | Enter the name of the quiz, then check the questions user want in that quiz, finally click “Tạo mới” button |  | | **6** |  | Notice of success and move to quiz management page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | A Quiz must have name and contain at least 1 question  * Max length of quiz name field is 255 * Quiz name must not be blank | | | |

## ***2.2.3.36. Use case 36: Edit quiz***

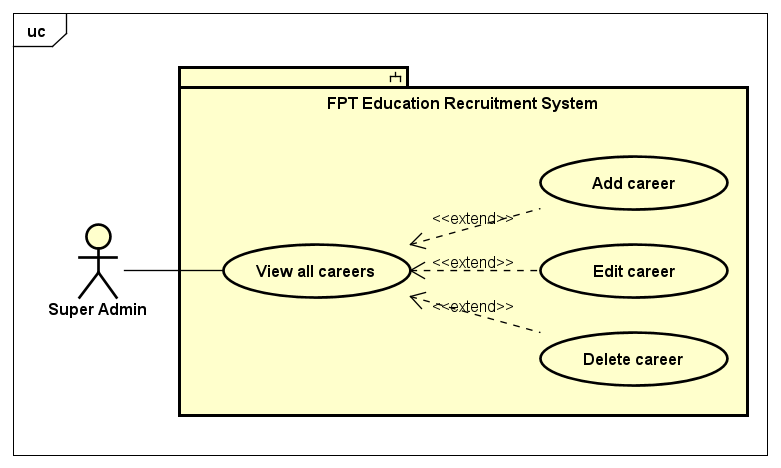
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-36 SPECIFICATION** | | | | |
| **Use-case No.** | <UC36> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Edit quiz | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin edit a quiz in quiz bank | | | |
| **Goal** | Edit a quiz | | | |
| **Triggers** | Click on “Sửa” button of a quiz | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Edit a quiz | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-34 |  | | **2** |  | Display list of quizzes | | **3** | User clicks on “Sửa” button of a quiz |  | | **4** |  | Display edit quiz page | | **5** | User changes the name of quiz, adds or removes questions of the the quiz, then clicks on submit button to complete editing |  | | **6** |  | Notice of success and back to manage quiz page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | A Quiz must have name and contain at least 1 question  * Max length of quiz name field is 255 * Quiz name must not be blank | | | |

## ***2.2.3.37. Use case 37: Delete quiz***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-37 SPECIFICATION** | | | | |
| **Use-case No.** | <UC37> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Delete quiz | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin deletes a quiz in quiz bank | | | |
| **Goal** | Delete a quiz | | | |
| **Triggers** | Click on “Xóa” button of a quiz | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Delete a quiz | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-34 |  | | **2** |  | Display list of quizzes | | **3** | User clicks on “Xóa” button of a quiz |  | | **4** |  | Give a confirmation dialog box | | **5** | User clicks OK to delete the quiz |  | | **6** |  | Delete successfully and refresh page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## 

## ***2.2.3.38. Use case 38: View all careers***



*Figure 14. Career use cases*

## 

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-38 SPECIFICATION** | | | | |
| **Use-case No.** | <UC38> | **Use-case Version** | | <1.0> |
| **Use-case Name** | View all careers | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin views list of all careers in the system | | | |
| **Goal** | View list of all careers | | | |
| **Triggers** | User clicks on the tab “Quản lý nghề nghiệp” on the sidebar | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | View all careers | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | User logins the system as role of Super Admin |  | | **2** |  | Display admin homepage with account management tab default | | **3** | User clicks on “Quản lý nghề nghiệp” tab |  | | **4** |  | Display career management page | | | | | |
| **Alternative Scenario** | | | | |
| N/A | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## ***2.2.3.39. Use case 39: Add career***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-39 SPECIFICATION** | | | | |
| **Use-case No.** | <UC39> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Add career | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin adds a new career into the system | | | |
| **Goal** | Add a new career | | | |
| **Triggers** | User clicks on “Tạo nghề nghiệp mới” button on career management page | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Add a new career into the system | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-38 |  | | **2** |  | Display career management page | | **3** | Click on “Tạo nghề nghiệp mới” button |  | | **4** |  | Display add career page | | **5** | Enter name of new career then click “Tạo mới” |  | | **6** |  | Notice of success, display career management page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | Career name must not be blank  * Maximum length of career name is 255 | | | |

## ***2.2.3.40. Use case 40: Edit career***

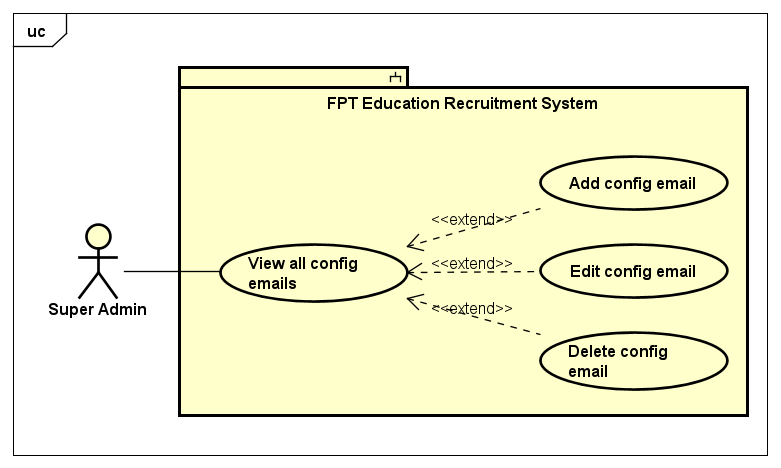
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-40 SPECIFICATION** | | | | |
| **Use-case No.** | <UC40> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Edit career | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin edits information of a career | | | |
| **Goal** | Edit information of a career | | | |
| **Triggers** | Click on “Sửa” button of a career | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Edit a career | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-38 |  | | **2** |  | Display career management page | | **3** | User clicks on “Sửa” button of a career |  | | **4** |  | Display edit career page | | **5** | User changes the name of career then clicks on “Lưu” button to complete editing |  | | **6** |  | Notice of success, display career management page | | | | | |
| **Alternative Scenario** | | | | |
| N/A | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## ***2.2.3.41. Use case 41: Delete career***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-41 SPECIFICATION** | | | | |
| **Use-case No.** | <UC41> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Delete career | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin deletes a career in the system | | | |
| **Goal** | Delete a career | | | |
| **Triggers** | Click on “Xóa” button of a career | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Delete a career | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-38 |  | | **2** |  | Display career management page | | **3** | User clicks on “Xóa” button of a career |  | | **4** |  | Give a confirmation dialog box | | **5** | User clicks OK to delete the career |  | | **6** |  | Delete successfully and refresh page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## 

## ***2.2.3.42. Use case 42: View all config emails***



*Figure 15. Email management use cases*

## 

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-42 SPECIFICATION** | | | | |
| **Use-case No.** | <UC42> | **Use-case Version** | | <1.0> |
| **Use-case Name** | View all config emails | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin views list of all config emails that will be used automatically to send emails for candidates | | | |
| **Goal** | View list of all config emails | | | |
| **Triggers** | Super Admin clicks tab “Quản lý gửi mail” on the sidebar of admin page | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Super Admin views list of all config emails | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | User logins as Super Admin role |  | | **2** |  | Display account management page by default | | **3** | User clicks on “Quản lý gửi mail” tab on the sidebar |  | | **4** |  | Display email management page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## 

## ***2.2.3.43. Use case 43: Add config email***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-43 SPECIFICATION** | | | | |
| **Use-case No.** | <UC43> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Add config email | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin | | | |
| **Summary** | Super admin adds a new email into list of emails that will be used automatically to send emails for candidates | | | |
| **Goal** | Add a new email | | | |
| **Triggers** | User clicks on “Tạo tài khoản gửi mail mới” button on email management page | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Add a new email | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-42 |  | | **2** |  | Display config email management page | | **3** | Click on “Tạo tài khoản gửi mail mới” button |  | | **4** |  | Display add config email page | | **5** | Enter information of a new config email includes:   * Name of email * Password * Port number * Host * Is enable SSL * Is active   then click “Tạo mới” button |  | | **6** |  | Notice of success and display email management page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | Email, password, port, host must not be blank | | | |

## ***2.2.3.44. Use case 44: Edit email***

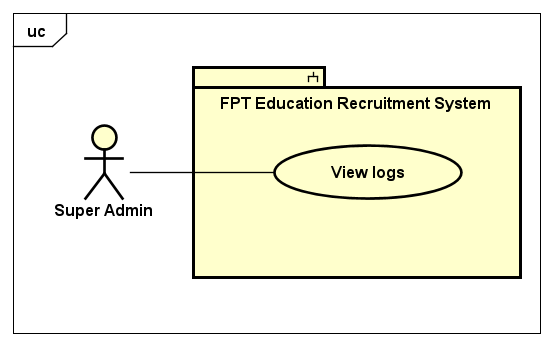
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-44 SPECIFICATION** | | | | |
| **Use-case No.** | <UC44> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Edit config email | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin edits information of an email | | | |
| **Goal** | Edit information of a config email | | | |
| **Triggers** | Click on “Sửa” button of an email | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Edit an email | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-42 |  | | **2** |  | Display email management page | | **3** | Click on “Sửa” button of an email |  | | **4** |  | Display edit email page | | **5** | Edit information of the email includes:   * Name of email * Password * Port number * Host * Is enable SSL * Is active |  | | **6** | Click “Lưu” button |  | |  |  | Notice of success then display email management page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | Email, password, port, host must not be blank | | | |

## ***2.2.3.45. Use case 45: Delete email***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-45 SPECIFICATION** | | | | |
| **Use-case No.** | <UC45> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Delete config email | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin | | | |
| **Summary** | Super Admin deletes an email | | | |
| **Goal** | Delete an email | | | |
| **Triggers** | Click on “Xóa” button on an email | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | Delete an email | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-42 |  | | **2** |  | Display email management page | | **3** | User clicks on “Xóa” button on an email |  | | **4** |  | Give confirmation dialog box | | **5** | Confirm to delete the email |  | | **6** |  | Delete the email then display email management page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## 

## ***2.2.3.46. Use case 46: View logs***



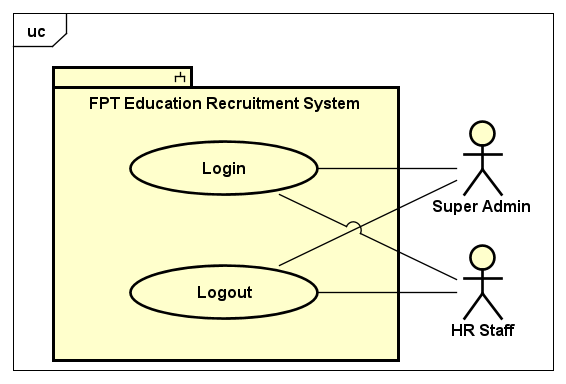
*Figure 16. View logs use case*

## 

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-46 SPECIFICATION** | | | | |
| **Use-case No.** | <UC46> | **Use-case Version** | | <1.0> |
| **Use-case Name** | View logs | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | Super Admin | | | |
| **Summary** | When any system changes take place (update accounts, add unit, ...), it is logged, the user can view the changes. | | | |
| **Goal** | View system changes | | | |
| **Triggers** | User clicks on “Quản lý log” tab on the sidebar | | | |
| **Preconditions** | User has successfully logged in to the system as the Super Admin role | | | |
| **Post Conditions** | View log about system changes | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | User logins to the system as role of Super Admin |  | | **2** |  | Display account management page by default | | **3** | User clicks on the tab “Quản lý log” |  | | **4** |  | Display view log page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## 

## ***2.2.3.47. Common use case***



*Figure 17. Common use cases*

## 

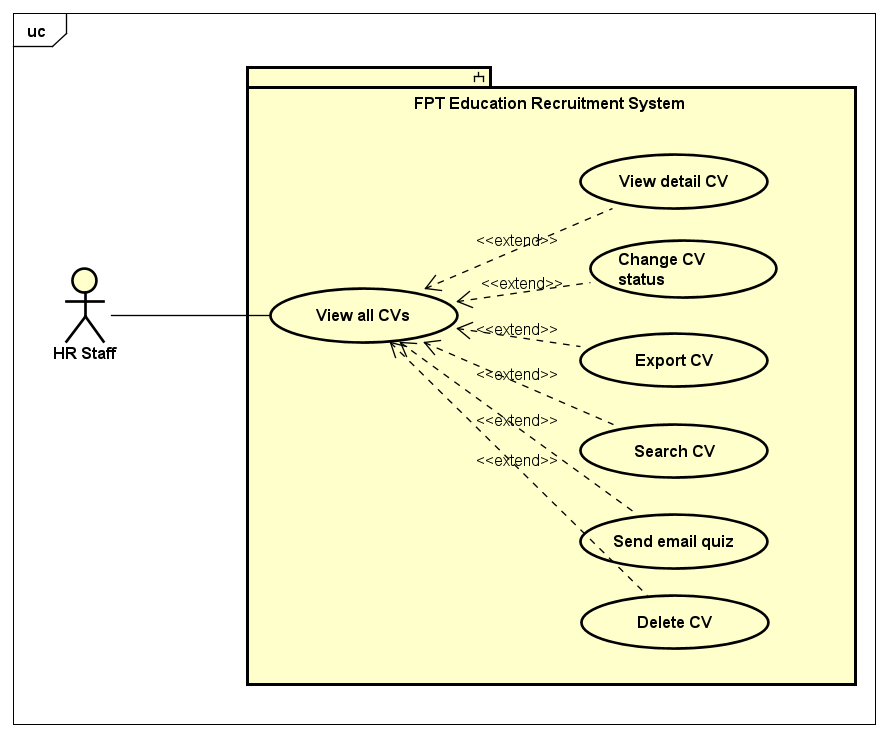
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-47 SPECIFICATION** | | | | |
| **Use-case No.** | <UC47> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Login | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | High | |
| **Actor** | Super Admin, HR Staff | | | |
| **Summary** | User logins to FERS website as role of Super Admin or HR Staff | | | |
| **Goal** | Login to FERS website | | | |
| **Triggers** | Users access the link "[career.fpt.edu.vn](http://www.career.fpt.edu.vn/Admin/Login)[/Account/Login](http://www.career.fpt.edu.vn/Account/Login)" | | | |
| **Preconditions** | N/A | | | |
| **Post Conditions** | Login to FERS website | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | User accesses the link "[career.fpt.edu.vn/Account/Login](http://www.career.fpt.edu.vn/Account/Login)" |  | | **2** |  | Display login page | | **3** | User clicks on the button “Đăng nhập” |  | | **4** |  | Pop up Google Authentication dialog box, this dialog box will show list of emails account of user to login | | **5** | User clicks on the email that was registered on the system |  | | **6** |  | Display management page with functions depending on account role | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## ***2.2.3.48. Use case 48: Logout***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-48 SPECIFICATION** | | | | |
| **Use-case No.** | <UC48> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Logout | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | Super Admin / HR Staff | | | |
| **Summary** | User logs out of the system | | | |
| **Goal** | Log out of the system | | | |
| **Triggers** | User clicks on the button “Đăng xuất” | | | |
| **Preconditions** | User successfully logged into the system | | | |
| **Post Conditions** | Log out of the system | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | User click on the button “Đăng xuất” on the right top of page |  | | **2** |  | Log out the user from the system and move to the login page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## 

## ***2.2.3.49. Use case 49: View all CVs***



*Figure 18. CV management use cases*

## 

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-49 SPECIFICATION** | | | | |
| **Use-case No.** | <UC-49> | **Use-case Version** | | <1.0> |
| **Use-case Name** | View all CVs | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | HR Staff | | | |
| **Summary** | HR Staff views list of all CVs that was submitted to the system | | | |
| **Goal** | View list of all CVs | | | |
| **Triggers** | Click on the tab “Quản lý CV” on the sidebar | | | |
| **Preconditions** | User has successfully logged in to the system as the HR Staff role | | | |
| **Post Conditions** | View list of all CVs | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | User logs in to the system as role of HR Staff |  | | **2** |  | Display job management page as default | | **3** | Click on the tab “Quản lý CV” on the sidebar of website |  | | **4** |  | Display CV management page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## ***2.2.3.50. Use case 50: View detail CV***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-50 SPECIFICATION** | | | | |
| **Use-case No.** | <UC50> | **Use-case Version** | | <1.0> |
| **Use-case Name** | View detail CV | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | HR Staff | | | |
| **Summary** | HR Staff views detailed information about the candidate | | | |
| **Goal** | View detailed information about candidate | | | |
| **Triggers** | User clicks on the eye icon of a CV | | | |
| **Preconditions** | User has successfully logged in to the system as the HR Staff role | | | |
| **Post Conditions** | A dialog box will pop up and display information about CV | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-49 |  | | **2** |  | Display CV management page | | **3** | User clicks on the eye icon of a CV |  | | **4** |  | Pop up a dialog box with detailed information about the CV | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## ***2.2.3.51. Use case 51: Change CV status***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-51 SPECIFICATION** | | | | |
| **Use-case No.** | <UC51> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Change CV status | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | High | |
| **Actor** | HR Staff | | | |
| **Summary** | CV is divided into groups with different statuses for easy management. HR Staff can change status of CV | | | |
| **Goal** | Change status of the CV | | | |
| **Triggers** | User clicks on the status options then change it to another option | | | |
| **Preconditions** | User has successfully logged in to the system as the HR Staff role | | | |
| **Post Conditions** | Change status of the CV | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-49 |  | | **2** |  | Display CV management page | | **3** | User clicks on the status options of a CV |  | | **4** |  | Drop down a list of status | | **5** | User changes the status of the CV to the state he/she wants. There are 5 states:   * “Mới” * “Đã xem” * “Xem xét” * “Chấp nhận” * “Từ chối” |  | | **6** |  | The system notifies the successful status change, and simultaneously changes the color of the CV status | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | It’s possible to change from current state to any other state | | | |

## 

## ***2.2.3.52. Use case 52: Search CV***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-52 SPECIFICATION** | | | | |
| **Use-case No.** | <UC52> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Search CV | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | HR Staff | | | |
| **Summary** | HR Staff search for a CV that he/she wants, searching keywords include:  * Job title * Candidate name * Email * Start date * End date * CV status | | | |
| **Goal** | Search a CV | | | |
| **Triggers** | User enters the search keyword on the search menu bar and then clicks search button | | | |
| **Preconditions** | User has successfully logged in to the system as the HR Staff role | | | |
| **Post Conditions** | Search a CV | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-49 |  | | **2** |  | Display CV management page | | **3** | User enters the search keywords and then click search button |  | | **4** |  | Display list of CV filtered by keyword search | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | Maximum length of job title, email, candidate name field is 255 | | | |

## 

## ***2.2.3.53. Use case 53: Delete CV***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-53 SPECIFICATION** | | | | |
| **Use-case No.** | <UC53> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Delete CV | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | HR Staff | | | |
| **Summary** | HR Staff deletes a CV of the candidate | | | |
| **Goal** | Delete a CV | | | |
| **Triggers** | Click on the button “Xóa” of a CV | | | |
| **Preconditions** | User has successfully logged in to the system as the HR Staff role | | | |
| **Post Conditions** | Delete a CV | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-49 |  | | **2** |  | Display CV management page | | **3** | User clicks button “Xóa” on a CV |  | | **4** |  | Give confirmation message | | **5** | Clicks OK to confirm delete the CV |  | | **6** |  | Delete the CV then reload page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## 

## ***2.2.3.54. Use case 54: Send email quiz***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-54 SPECIFICATION** | | | | |
| **Use-case No.** | <UC54> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Send email quiz | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | HR Staff | | | |
| **Summary** | After candidate submitted CV to the system, HR Staff can email the quiz link to candidates that they want | | | |
| **Goal** | Send an email that contains the link of quiz | | | |
| **Triggers** | Click on the button “Chưa gửi, gửi ngay” on CV management page | | | |
| **Preconditions** | User has successfully logged in to the system as the HR Staff role | | | |
| **Post Conditions** | Send an email that contains the link of quiz | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-49 |  | | **2** |  | Display CV management page | | **3** | In the quiz score column, for candidates who have not taken the quiz, there is a button "Chưa gửi, gửi ngay". User clicks the button |  | | **4** |  | Send an email that contains the quiz link to candidate | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

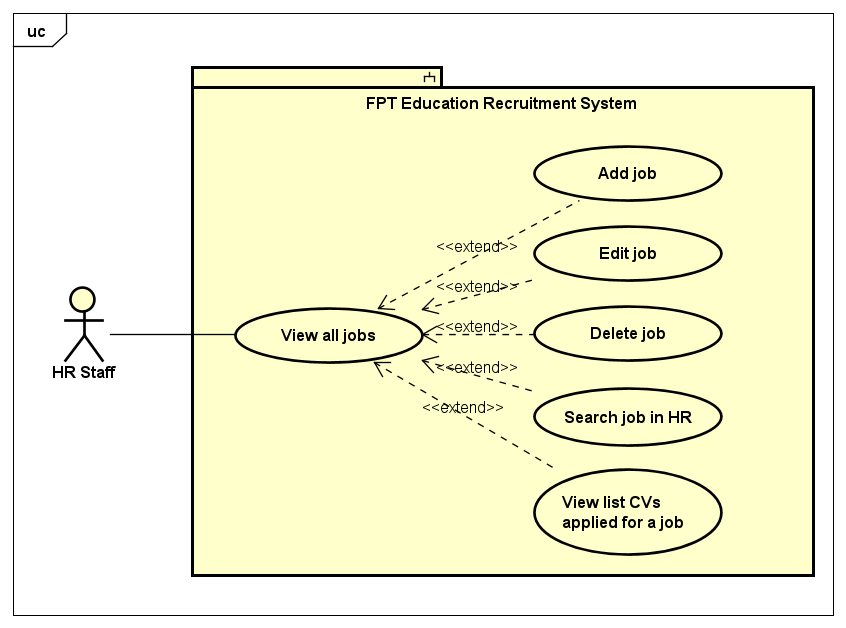
## 

## ***2.2.3.55. Use case 55: Export CV***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-55 SPECIFICATION** | | | | |
| **Use-case No.** | <UC55> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Export CV | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | HR Staff | | | |
| **Summary** | When HR staff wants to export the CV list to an excel file for easy management, he/she just needs to click “Xuất ra Excel” button | | | |
| **Goal** | Export list of CV to excel file | | | |
| **Triggers** | User clicks on the button “Xuất ra Excel” | | | |
| **Preconditions** | User has successfully logged in to the system as the HR Staff role | | | |
| **Post Conditions** | Export list of CV to excel file | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-49 |  | | **2** |  | Display CV management page | | **3** | Clicks on the button “Xuất ra Excel” |  | | **4** |  | Export the CV to excel file.  The excel file will be automatically downloaded on browser | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## 

## ***2.2.3.56. Use case 56: View all jobs***



*Figure 19. Job management use cases*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-56 SPECIFICATION** | | | | |
| **Use-case No.** | <UC56> | **Use-case Version** | | <1.0> |
| **Use-case Name** | View all jobs | | | |
| **Author** | DatTQ | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | HR Staff | | | |
| **Summary** | HR Staff views all jobs which are managed and based on the location of HR Staff can manage in the system. | | | |
| **Goal** | HR Staff views all jobs in the system | | | |
| **Triggers** | HR Staff click tab “Quản lý tin tuyển dụng” on the sidebar of HR Staff page | | | |
| **Preconditions** | User has successfully logged in to the system as the HR Staff role | | | |
| **Post Conditions** | View all job are managed by login HR Staff | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | User login as role of HR Staff |  | | **2** |  | Display HR Staff homepage with job management tab default | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## ***2.2.3.57. Use case 57: Add job***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-57 SPECIFICATION** | | | | |
| **Use-case No.** | <UC57> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Add job | | | |
| **Author** | DatTQ | | | |
| **Date** | 18/07/2020 | **Priority** | High | |
| **Actor** | HR Staff | | | |
| **Summary** | HR Staff add a job to the system | | | |
| **Goal** | Add new job | | | |
| **Triggers** | HR Staff click “Tạo việc mới” button on Job management page | | | |
| **Preconditions** | User has successfully logged in to the system as the HR Staff role | | | |
| **Post Conditions** | Add a new job to the system | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-56 |  | | **2** |  | Display job management page | | **3** | Click “Tạo việc mới” button |  | | **4** |  | Display create job page | | **5** | Fill in all input fields and submit form |  | | **6** |  | If create success, the system will redirect to job manage page and notify success message  If create error, the system will redirect to error page and show message of error | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | **SQL Exception**  * the system will redirect to error page and show information of the exception | | | |
| **Business Rules** | HR Staff must fill all input required | | | |

## ***2.2.3.58. Use case 58: Edit job***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-58 SPECIFICATION** | | | | |
| **Use-case No.** | <UC58> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Edit job | | | |
| **Author** | DatTQ | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | HR Staff | | | |
| **Summary** | HR Staff edits a job in the system | | | |
| **Goal** | Edit a exist job | | | |
| **Triggers** | HR Staff clicks “Sửa” button on an job when view all job | | | |
| **Preconditions** | User has successfully logged in to the system as the HR Staff role | | | |
| **Post Conditions** | Edit information about an job | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-56 |  | | **2** |  | Display all jobs of the system | | **3** | Click “Sửa” button on a job |  | | **4** |  | Display edit job page | | **5** | Edit information of job and submit |  | | **6** |  | If edit success, the system will show notice of success and back to account management page  If edit error, the system will redirect to error page and show information of the error | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | **SQL Exception**  * the system will redirect to error page and show information of the exception | | | |
| **Business Rules** | Hr Staff must fill all input required. | | | |

## ***2.2.3.59. Use case 59: Delete job***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-59 SPECIFICATION** | | | | |
| **Use-case No.** | <UC59> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Delete job | | | |
| **Author** | DatTQ | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | HR Staff | | | |
| **Summary** | HR Staff deletes a job in the system | | | |
| **Goal** | Delete a job | | | |
| **Triggers** | HR Staff clicks “Xóa” button on Jobs management page | | | |
| **Preconditions** | User has successfully logged in to the system as the HR Staff role | | | |
| **Post Conditions** | Delete a job | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-56 |  | | **2** |  | Display all jobs of the system | | **3** | Click “Xóa” button on an job |  | | **4** |  | Give confirmation message | | **5** | Confirm to delete the job |  | | **6** |  | Delete the job then reload page | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | When HR Staff deletes a job which has CV applied, although the system doesn’t delete the job, the system will hide the job. | | | |

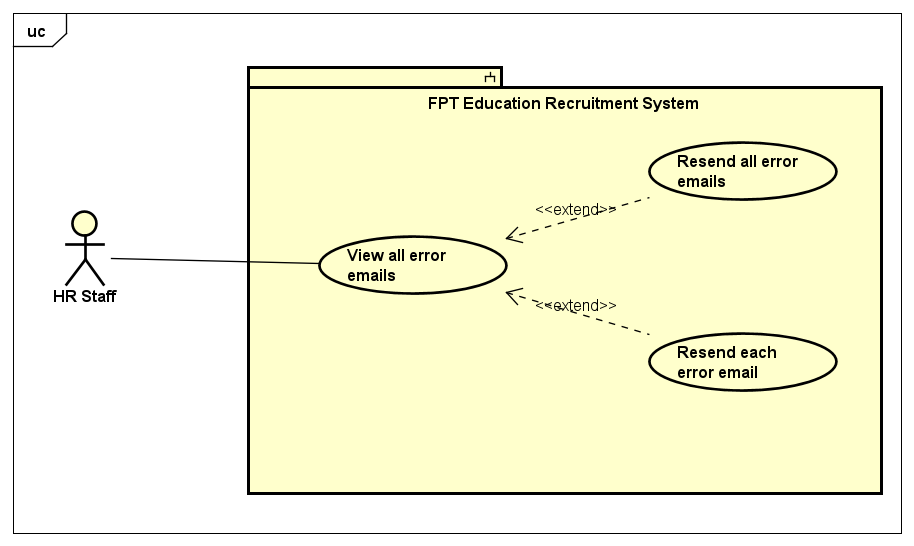
## ***2.2.3.60. Use case 60: Search job in HR***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-60 SPECIFICATION** | | | | |
| **Use-case No.** | <UC60> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Search Job In HR | | | |
| **Author** | DatTQ | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | HR Staff | | | |
| **Summary** | HR Staff find jobs that he/she needs,searching keywords include:  * Job title * Unit * Career * Location | | | |
| **Goal** | Display list of jobs filter by some input searching | | | |
| **Triggers** | HR Staff choose the options in filter menu (Quản lý tin tuyển dụng) then click “Tìm kiếm” | | | |
| **Preconditions** | User has successfully logged in to the system as the HR Staff role | | | |
| **Post Conditions** | HR Staff find jobs that HR Staff needs | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-56 |  | | **2** |  | Display job management page | | **3** | HR Staff enters the search keywords and then click “Tìm kiếm” button |  | | **4** |  | Display list of jobs filtered by keyword search | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | Maximum length of job title name field is 255 | | | |

## ***2.2.3.61. Use case 61: View list CVs applied for a job***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-61 SPECIFICATION** | | | | |
| **Use-case No.** | <UC61> | **Use-case Version** | | <1.0> |
| **Use-case Name** | View list CVs applied for a job | | | |
| **Author** | TungBT | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | HR Staff | | | |
| **Summary** | When HR Staffs view list of all the jobs that are currently recruiting, they can see the number of CVs applied for a job, when clicking on the link the system will redirect to a new page - a list of all CVs applied for the job | | | |
| **Goal** | View list of all CVs applied for a job | | | |
| **Triggers** | Click to the number of CV applied for a job on Job management page | | | |
| **Preconditions** | User has successfully logged in to the system as the HR Staff role | | | |
| **Post Conditions** | View list of all CVs applied for a job | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-56, view all jobs |  | | **2** |  | Display job management page | | **3** | User clicks to the number of CV applied for a job |  | | **4** |  | Redirect to CV management page, show list of all CVs applied for the job user clicked to | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## ***2.2.3.62. Use case 62: View all error emails***



*Figure 20. Error email management use cases*

## 

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-62 SPECIFICATION** | | | | |
| **Use-case No.** | <UC62> | **Use-case Version** | | <1.0> |
| **Use-case Name** | View all error emails | | | |
| **Author** | DatTQ | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | HR Staff | | | |
| **Summary** | Emailing candidates (successful application notification or quiz link) may be an error (the network does not allow or other reasons). HR Staff can review unsuccessful emails in the tab “Quản lý Email lỗi” | | | |
| **Goal** | HR Staff view list of error email | | | |
| **Triggers** | HR Staff click tab “Quản lý Email lỗi” on the sidebar of HR Staff page | | | |
| **Preconditions** | User has successfully logged in to the system as the HR Staff role | | | |
| **Post Conditions** | View all error email | | | |
| **Main Success Scenario** | | | | |
|  | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | N/A | | | |
| **Business Rules** | N/A | | | |

## 

## ***2.2.3.63. Use case 63: Resend all error emails***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-63 SPECIFICATION** | | | | |
| **Use-case No.** | <UC63> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Resend all error email | | | |
| **Author** | DatTQ | | | |
| **Date** | 18/07/2020 | **Priority** | Medium | |
| **Actor** | HR Staff | | | |
| **Summary** | Resend all the failed emails at once | | | |
| **Goal** | Resend all error email to candidates | | | |
| **Triggers** | HR Staff click tab “Gửi lại những Email lỗi” on error email management page | | | |
| **Preconditions** | User has successfully logged in to the system as the HR Staff role | | | |
| **Post Conditions** | Resend all error email to candidates | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-62 |  | | **2** |  | Display Email management page | | **3** | Clicks on the button “Gửi lại những Email lỗi” |  | | **4** |  | Resend all error email to the candidates | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | IP address is not allowed to send mail from domain | | | |
| **Business Rules** | Must exist email of sender and received | | | |

## ***2.2.3.64. Use case 64: Resend each error email***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE-64 SPECIFICATION** | | | | |
| **Use-case No.** | <UC64> | **Use-case Version** | | <1.0> |
| **Use-case Name** | Resend each error email | | | |
| **Author** | DatTQ | | | |
| **Date** | 18/07/2020 | **Priority** | Low | |
| **Actor** | HR Staff | | | |
| **Summary** | After reviewing the failed emails, HR Staff can just click resend email to a person they specify, no need to resend all email at once | | | |
| **Goal** | Resend a certain error email | | | |
| **Triggers** | HR Staff click the button “Gửi lại” of an error email | | | |
| **Preconditions** | User has successfully logged in to the system as the HR Staff role | | | |
| **Post Conditions** | Resend a certain error email | | | |
| **Main Success Scenario** | | | | |
| |  |  |  | | --- | --- | --- | | **Step** | **Actor Events** | **System Response** | | **1** | Do a normal flow of UC-62 |  | | **2** |  | Display email management page | | **3** | HR Staff click the button “Gửi lại” in an error email which he/she wants to resend |  | | **4** |  | Resend the email to candidate | | | | | |
| **Alternative Scenario** | | | | |
| **N/A** | | | | |
| **Exceptions** | IP address is not allowed to send mail from domain | | | |
| **Business Rules** | Must exist email of sender and received | | | |

## ***2.3. Non-functional Requirement***

## ***2.3.1 Reliability***

* All data entered by the user is validated before sending it to the server
* The system complies with business rules

***2.3.2 Availability***

N/A

## ***2.3.3 Security***

* The system must use Google accounts belonging to FPT organization and registered in the system to sign in.
* The system must use HTTPS to encrypt the information transferred between clients and servers.
* The system sends a quiz link via the candidate's email address and secured, authorized by a token generated by the system.
* The user authorization table is as follow:

|  |  |  |  |
| --- | --- | --- | --- |
| **Function** | **Super Admin** | **HR staff** | **Candidate** |
| Login | ✔ | ✔ |  |
| Logout | ✔ | ✔ |  |
| Manage accounts | ✔ |  |  |
| Manage quiz | ✔ |  |  |
| Manage careers | ✔ |  |  |
| Manage units | ✔ |  |  |
| Manage locations | ✔ |  |  |
| Manage questions | ✔ |  |  |
| Manage group question | ✔ |  |  |
| View log | ✔ |  |  |
| Manage configure email | ✔ |  |  |
| Manage CVs |  | ✔ |  |
| Manage Jobs |  | ✔ |  |
| Manage error email |  | ✔ |  |
| Apply job |  |  | ✔ |
| Do quiz |  |  | ✔ |

## ***2.3.4 Maintainability***

This system using .NET MVC 5, with the following advantages to maintain:

* A main advantage of MVC is separation of concern. Separation of concern means we divide the application Model, Control and View.
* We can easily maintain our application because of separation of concern.
* At the same time we can split many developers' work at a time. It will not affect one developer work to another developer work.
* It supports TTD (test-driven development). We can create an application with unit test. We can write won test case.

## ***2.3.5 Portability***

This system supports responsiveness for all screens: mobiles, desktops, tablets, laptops (For candidate view)

## **3. Entity Relationship Diagram**

## 