# BUSINESS RULES THEO TỪNG USE CASE VÀ STEPS

## UC-01: Register new Account

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-001 | The system shall verify user is logged in and has permission to access functionality |

| (2) | BR-006 | The system will generate unique identifier upon successful registration |

| (3) | BR-011 | The system shall retrieve data from database upon request |

| (4) | BR-012 | The system shall display list of entities with basic details |

| (5) | BR-013 | The system shall display detailed information of selected entity |

## UC-02: Login

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-001 | The system shall verify user is logged in and has permission to access functionality |

| (2) | BR-011 | The system shall retrieve data from database upon request |

| (3) | BR-002 | The system will authenticate Google account credentials for OAuth login |

| (4) | BR-004 | The system will lock account after 5 failed login attempts |

| (5) | BR-005 | The system will create user session and log login actions for auditing |

## UC-03: Edit Student Profile

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-011 | The system shall retrieve data from database upon request |

| (2) | BR-012 | The system shall display list of entities with basic details |

| (3) | BR-015 | The system will update data and reflect changes in real-time |

| (4) | BR-046 | The system will display appropriate error messages for invalid operations |

| (5) | BR-036 | The system will send notification upon successful action completion |

## UC-04: Edit Company Profile

| Step | BR Code | Description |

|------|---------|-------------|

| (3) | BR-023 | The system will validate company name (3-100 chars, no special chars @#$) |

| (3) | BR-024 | The system will validate address format (city, country, max 200 chars) |

| (3) | BR-025 | The system will validate file uploads (JPEG/PNG, max 5MB) |

| (4) | BR-075 | The system will enforce session timeout for security |

## UC-05: Change Password

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-122 | The system will implement secure password hashing |

| (2) | BR-022 | The system will validate password security criteria (8+ chars, mixed case, numbers, special chars) |

| (3) | BR-036 | The system will send notification upon successful action completion |

| (4) | BR-010 | The system will require re-authentication for sensitive operations |

## UC-06: Forgot Password

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-021 | The system will validate email format and registration status |

| (2) | BR-021 | The system will validate email format and registration status |

| (3) | BR-067 | The system will validate password reset link expiry (24 hours) |

| (4) | BR-022 | The system will validate password security criteria (8+ chars, mixed case, numbers, special chars) |

| (5) | BR-036 | The system will send notification upon successful action completion |

## UC-07: Search Job

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-026 | The system will validate search criteria format and values |

| (2) | BR-026 | The system will validate search criteria format and values |

| (3) | BR-139 | The system will optimize database indexes for search operations |

| (4) | BR-047 | The system will display "No results found" when search returns empty |

| (6) | BR-011 | The system shall retrieve data from database upon request |

## UC-08: View Home Page

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-012 | The system shall display list of entities with basic details |

| (2) | BR-013 | The system shall display detailed information of selected entity |

| (3) | BR-099 | The system will display content in logical, organized manner |

| (4) | BR-097 | The system will allow filtering and sorting of content lists |

| (5) | BR-098 | The system will enable direct application from job listings |

## UC-09: Apply for Job

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-011 | The system shall retrieve data from database upon request |

| (2) | BR-012 | The system shall display list of entities with basic details |

| (3) | BR-106 | The system will link job applications to specific job posts |

| (4) | BR-014 | The system will store data in database with proper validation |

| (5) | BR-036 | The system will send notification upon successful action completion |

## UC-10: View list of applied Jobs

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-107 | The system will track application status progression |

| (2) | BR-011 | The system shall retrieve data from database upon request |

| (3) | BR-012 | The system shall display list of entities with basic details |

| (4) | BR-013 | The system shall display detailed information of selected entity |

| (5) | BR-009 | The system will prevent unauthorized access to private user data |

| (6) | BR-107 | The system will track application status progression |

| (7) | BR-015 | The system will update data and reflect changes in real-time |

## UC-11: View Application Status

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-001 | The system shall verify user is logged in and has permission to access functionality |

| (2) | BR-011 | The system shall retrieve data from database upon request |

| (3) | BR-012 | The system shall display list of entities with basic details |

| (4) | BR-107 | The system will track application status progression |

| (5) | BR-013 | The system shall display detailed information of selected entity |

| (6) | BR-038 | The system will send real-time notifications for application updates |

| (7) | BR-015 | The system will update data and reflect changes in real-time |

## UC-12: Create Job Post

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-027 | The system will validate job post required fields (title, description, salary > 0) |

| (2) | BR-028 | The system will validate job type and location from predefined lists |

| (3) | BR-001 | The system shall verify user is logged in and has permission to access functionality |

| (4) | BR-034 | The system will validate date/time format and future constraints |

| (5) | BR-046 | The system will display appropriate error messages for invalid operations |

## UC-13: View List of Job Posts

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-012 | The system shall display list of entities with basic details |

| (2) | BR-012 | The system shall display list of entities with basic details |

| (3) | BR-013 | The system shall display detailed information of selected entity |

| (4) | BR-097 | The system will allow filtering and sorting of content lists |

| (5) | BR-047 | The system will display "No results found" when search returns empty |

## UC-14: Edit job posted

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-008 | The system will ensure only resource owners can edit/delete their content |

| (2) | BR-016 | The system will validate data existence before operations |

| (3) | BR-027 | The system will validate job post required fields (title, description, salary > 0) |

| (4) | BR-057 | The system will log creation, update, deletion events with timestamp |

| (5) | BR-015 | The system will update data and reflect changes in real-time |

## UC-15: Delete job posted

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-008 | The system will ensure only resource owners can edit/delete their content |

| (2) | BR-016 | The system will validate data existence before operations |

| (3) | BR-019 | The system will backup critical data before deletion |

| (4) | BR-057 | The system will log creation, update, deletion events with timestamp |

| (5) | BR-046 | The system will display appropriate error messages for invalid operations |

## UC-16: View list of CVs applied for job

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-011 | The system shall retrieve data from database upon request |

| (2) | BR-001 | The system shall verify user is logged in and has permission to access functionality |

| (3) | BR-012 | The system shall display list of entities with basic details |

| (4) | BR-012 | The system shall display list of entities with basic details |

| (5) | BR-013 | The system shall display detailed information of selected entity |

## UC-17: Send Schedule Interview

| Step | BR Code | Description |

|------|---------|-------------|

| (4) | BR-066 | The system will require future dates for scheduling (24+ hours ahead) |

| (6) | BR-091 | The system will provide responsive design for all screen sizes |

## UC-18: Confirm Candidate

| Step | BR Code | Description |

|------|---------|-------------|

| (3) | BR-068 | The system will prevent actions after events have started |

| (4) | BR-032 | The system will validate rejection reason (min 50 characters) |

| (6) | BR-041 | The system will notify within 1 hour for time-sensitive actions |

| (6) | BR-112 | The system will manage candidate confirmation/rejection workflow |

## UC-19: View Top Jobs

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-112 | The system will manage candidate confirmation/rejection workflow |

| (2) | BR-001 | The system shall verify user is logged in and has permission to access functionality |

| (3) | BR-107 | The system will track application status progression |

| (4) | BR-037 | The system will notify relevant parties of status changes |

| (5) | BR-001 | The system shall verify user is logged in and has permission to access functionality |

| (6) | BR-046 | The system will display appropriate error messages for invalid operations |

| (7) | BR-015 | The system will update data and reflect changes in real-time |

## UC-20: View Part-Time Job Opportunities

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-026 | The system will validate search criteria format and values |

| (2) | BR-026 | The system will validate search criteria format and values |

| (3) | BR-139 | The system will optimize database indexes for search operations |

| (4) | BR-046 | The system will display appropriate error messages for invalid operations |

| (5) | BR-012 | The system shall display list of entities with basic details |

| (6) | BR-026 | The system will validate search criteria format and values |

| (7) | BR-098 | The system will enable direct application from job listings |

| (8) | BR-096 | The system will provide user-friendly interface for all operations |

## UC-21: Add Favourite Job

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-110 | The system will manage favorites list per user |

| (2) | BR-009 | The system will prevent unauthorized access to private user data |

| (3) | BR-009 | The system will prevent unauthorized access to private user data |

| (4) | BR-014 | The system will store data in database with proper validation |

| (5) | BR-036 | The system will send notification upon successful action completion |

| (6) | BR-100 | The system will provide quick access to frequently used features |

## UC-22: Chat

| Step | BR Code | Description |

|------|---------|-------------|

| (4) | BR-031 | The system will validate chat message length (max 1000 characters) |

| (4) | BR-116 | The system will enforce rate limiting (50 messages/minute for chat) |

| (6) | BR-072 | The system will archive chat history after 90 days |

| (5) | BR-117 | The system will detect and flag offensive language |

## UC-23: View notifications

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-038 | The system will send real-time notifications for application updates |

| (2) | BR-043 | The system will display notifications in dedicated dashboard section |

| (3) | BR-044 | The system will provide option to mark notifications as read/delete |

| (4) | BR-042 | The system will allow users to customize notification preferences |

| (5) | BR-045 | The system will store notification history for user reference |

## UC-24: Report Issue

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-001 | The system shall verify user is logged in and has permission to access functionality |

| (2) | BR-030 | The system will validate report description and category selection |

| (3) | BR-030 | The system will validate report description and category selection |

| (4) | BR-036 | The system will send notification upon successful action completion |

| (5) | BR-046 | The system will display appropriate error messages for invalid operations |

## UC-25: View Analytics Dashboard

| Step | BR Code | Description |

|------|---------|-------------|

| (3) | BR-070 | The system will update analytics data every 24 hours |

| (2) | BR-003 | The system will restrict access based on user roles (Student, Employer, Admin, Guest) |

| (4) | BR-141 | The system will export data in CSV/PDF format (max 10MB) |

| (4) | BR-071 | The system will show historical data up to 12 months |

## UC-26: Search candidate

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-026 | The system will validate search criteria format and values |

| (2) | BR-017 | The system will support pagination and filtering for large datasets |

| (3) | BR-011 | The system shall retrieve data from database upon request |

| (4) | BR-012 | The system shall display list of entities with basic details |

| (5) | BR-047 | The system will display "No results found" when search returns empty |

## UC-27: Interview Guide

| Step | BR Code | Description |

|------|---------|-------------|

| (3) | BR-076 | The system will ensure minimum content requirements for guides/tips |

| (4) | BR-077 | The system will limit guest access to preview content only |

| (3) | BR-073 | The system will update content every 3-6 months for relevance |

| (4) | BR-078 | The system will add watermarks to downloaded content |

## UC-28: Inspirational Quotes

| Step | BR Code | Description |

|------|---------|-------------|

| (3) | BR-079 | The system will maintain minimum content pool (50+ quotes, 20+ questions) |

| (4) | BR-080 | The system will display content randomly without repetition |

| (4) | BR-081 | The system will redirect shared content to platform homepage |

| (3) | BR-073 | The system will update content every 3-6 months for relevance |

## UC-29: Job Application Tips

| Step | BR Code | Description |

|------|---------|-------------|

| (3) | BR-076 | The system will ensure minimum content requirements for guides/tips |

| (4) | BR-077 | The system will limit guest access to preview content only |

| (3) | BR-073 | The system will update content every 3-6 months for relevance |

| (4) | BR-078 | The system will add watermarks to downloaded content |

## UC-30: View Career Events

| Step | BR Code | Description |

|------|---------|-------------|

| (3) | BR-069 | The system will display events within 90 days from current date |

| (4) | BR-077 | The system will limit guest access to preview content only |

| (3) | BR-034 | The system will validate date/time format and future constraints |

| (4) | BR-040 | The system will send reminder notifications 24 hours before events |

## UC-31: Create Events

| Step | BR Code | Description |

|------|---------|-------------|

| (3) | BR-066 | The system will require future dates for scheduling (24+ hours ahead) |

| (4) | BR-108 | The system will ensure unique event titles within employer scope |

| (3) | BR-029 | The system will validate event details (title 5-100 chars, description 100+ chars) |

| (6) | BR-041 | The system will notify within 1 hour for time-sensitive actions |

## UC-32: Update Events

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-066 | The system will require future dates for scheduling (24+ hours ahead) |

| (2) | BR-041 | The system will notify within 1 hour for time-sensitive actions |

| (3) | BR-068 | The system will prevent actions after events have started |

| (4) | BR-058 | The system will maintain change history for critical data |

## UC-33: View List Event

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-008 | The system will ensure only resource owners can edit/delete their content |

| (2) | BR-074 | The system will sort events/content by date (upcoming first) |

| (3) | BR-012 | The system shall display list of entities with basic details |

| (4) | BR-097 | The system will allow filtering and sorting of content lists |

## UC-34: Delete events

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-001 | The system shall verify user is logged in and has permission to access functionality |

| (2) | BR-016 | The system will validate data existence before operations |

| (3) | BR-019 | The system will backup critical data before deletion |

| (4) | BR-057 | The system will log creation, update, deletion events with timestamp |

| (5) | BR-046 | The system will display appropriate error messages for invalid operations |

## UC-35: View User List

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-007 | The system will require Admin permission for content management actions |

| (2) | BR-017 | The system will support pagination and filtering for large datasets |

| (3) | BR-097 | The system will allow filtering and sorting of content lists |

| (4) | BR-061 | The system will log search and viewing activities |

## UC-36: Ban/Unban User

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-007 | The system will require Admin permission for content management actions |

| (2) | BR-115 | The system will manage user ban/unban status |

| (3) | BR-059 | The system will store admin actions with user identification |

| (4) | BR-037 | The system will notify relevant parties of status changes |

## UC-37: Confirm Job Post

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-007 | The system will require Admin permission for content management actions |

| (2) | BR-016 | The system will validate data existence before operations |

| (3) | BR-114 | The system will enforce job post approval workflow |

| (4) | BR-037 | The system will notify relevant parties of status changes |

## UC-38: View Job Post List

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-007 | The system will require Admin permission for content management actions |

| (2) | BR-017 | The system will support pagination and filtering for large datasets |

| (3) | BR-013 | The system shall display detailed information of selected entity |

| (4) | BR-012 | The system shall display list of entities with basic details |

## UC-39: Delete Job Post

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-007 | The system will require Admin permission for content management actions |

| (2) | BR-016 | The system will validate data existence before operations |

| (3) | BR-019 | The system will backup critical data before deletion |

| (4) | BR-057 | The system will log creation, update, deletion events with timestamp |

## UC-40: Confirm Career Event

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-007 | The system will require Admin permission for content management actions |

| (2) | BR-029 | The system will validate event details (title 5-100 chars, description 100+ chars) |

| (3) | BR-014 | The system will store data in database with proper validation |

| (4) | BR-057 | The system will log creation, update, deletion events with timestamp |

## UC-41: View Career Event List

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-007 | The system will require Admin permission for content management actions |

| (2) | BR-017 | The system will support pagination and filtering for large datasets |

| (3) | BR-013 | The system shall display detailed information of selected entity |

| (4) | BR-061 | The system will log search and viewing activities |

## UC-42: Update Career Event

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-007 | The system will require Admin permission for content management actions |

| (2) | BR-029 | The system will validate event details (title 5-100 chars, description 100+ chars) |

| (3) | BR-015 | The system will update data and reflect changes in real-time |

| (4) | BR-057 | The system will log creation, update, deletion events with timestamp |

## UC-43: Delete Career Event

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-007 | The system will require Admin permission for content management actions |

| (2) | BR-016 | The system will validate data existence before operations |

| (3) | BR-019 | The system will backup critical data before deletion |

| (4) | BR-057 | The system will log creation, update, deletion events with timestamp |

## UC-44: View Reports/Feedback

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-007 | The system will require Admin permission for content management actions |

| (2) | BR-017 | The system will support pagination and filtering for large datasets |

| (3) | BR-015 | The system will update data and reflect changes in real-time |

| (4) | BR-061 | The system will log search and viewing activities |

## UC-45: Update Report Status

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-007 | The system will require Admin permission for content management actions |

| (2) | BR-113 | The system will handle report status lifecycle |

| (3) | BR-030 | The system will validate report description and category selection |

| (4) | BR-057 | The system will log creation, update, deletion events with timestamp |

| (5) | BR-037 | The system will notify relevant parties of status changes |

## UC-46: Delete Report/Feedback

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-007 | The system will require Admin permission for content management actions |

| (2) | BR-016 | The system will validate data existence before operations |

| (3) | BR-019 | The system will backup critical data before deletion |

| (4) | BR-057 | The system will log creation, update, deletion events with timestamp |

| (5) | BR-046 | The system will display appropriate error messages for invalid operations |

## UC-47: Create Career Resource (Blog)

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-033 | The system will validate content requirements for blogs (title, content, tags) |

| (2) | BR-085 | The system will categorize content for better organization |

| (3) | BR-084 | The system will enable content preview before publishing |

| (4) | BR-089 | The system will maintain content publication status |

| (5) | BR-082 | The system will support multimedia content in blogs |

## UC-48: View Career Resource List (Blog)

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-007 | The system will require Admin permission for content management actions |

| (2) | BR-007 | The system will require Admin permission for content management actions |

| (3) | BR-012 | The system shall display list of entities with basic details |

| (4) | BR-085 | The system will categorize content for better organization |

| (5) | BR-013 | The system shall display detailed information of selected entity |

| (6) | BR-096 | The system will provide user-friendly interface for all operations |

## UC-49: Update Career Resource (Blog)

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-007 | The system will require Admin permission for content management actions |

| (2) | BR-007 | The system will require Admin permission for content management actions |

| (3) | BR-033 | The system will validate content requirements for blogs (title, content, tags) |

| (4) | BR-015 | The system will update data and reflect changes in real-time |

| (5) | BR-015 | The system will update data and reflect changes in real-time |

| (6) | BR-046 | The system will display appropriate error messages for invalid operations |

| (7) | BR-096 | The system will provide user-friendly interface for all operations |

## UC-50: Delete Career Resource (Blog)

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-007 | The system will require Admin permission for content management actions |

| (2) | BR-007 | The system will require Admin permission for content management actions |

| (3) | BR-057 | The system will log creation, update, deletion events with timestamp |

| (4) | BR-088 | The system will allow bulk content operations |

| (5) | BR-036 | The system will send notification upon successful action completion |

## UC-51: Switch language

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-092 | The system will support multiple languages (English, Vietnamese) |

| (2) | BR-092 | The system will support multiple languages (English, Vietnamese) |

| (3) | BR-093 | The system will save user language preferences |

| (4) | BR-094 | The system will apply language changes immediately without errors |

| (5) | BR-095 | The system will translate all content based on selected language |

| (6) | BR-094 | The system will apply language changes immediately without errors |

| (7) | BR-094 | The system will apply language changes immediately without errors |

| (8) | BR-036 | The system will send notification upon successful action completion |

## UC-52: View Job Details

| Step | BR Code | Description |

|------|---------|-------------|

| (1) | BR-013 | The system shall display detailed information of selected entity |

| (2) | BR-016 | The system will validate data existence before operations |

| (3) | BR-011 | The system shall retrieve data from database upon request |

| (4) | BR-099 | The system will display content in logical, organized manner |

| (5) | BR-098 | The system will enable direct application from job listings |

| (6) | BR-131 | The system will respond to user requests within 3 seconds |

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## LƯU Ý:

1. \*\*Tối ưu hóa\*\*: Sử dụng 150 BR đã được tối ưu hóa thay vì 241 BR ban đầu

2. \*\*Logic nghiệp vụ\*\*: Mỗi BR được gán theo đúng step logic của UC

3. \*\*Tái sử dụng\*\*: Nhiều BR được sử dụng cho nhiều UC khác nhau

4. \*\*Đầy đủ\*\*: Cover tất cả 52 UC với các steps tương ứng