Justin Ramas | John Anthony Romeo | Joel Franco Navales
BSIT – 3 | Soft Eng 1 11102 | UML Use Case Descriptions

UML Use Case Description: Manage User Accounts

Use Case Name	Manage User Accounts
Primary Actor	Administrator
Goal	To manage the creation, updating, and deletion of user accounts within the system.
Preconditions	● The administrator must be logged into the system.
Postconditions	● User accounts are successfully created, updated, or removed as required.
Trigger	The administrator opens the User Management section.
Main Flow	1. The administrator navigates to the User Management section. 2. The administrator selects the desired action: create, update, or delete a user account. 3. The administrator enters or edits the required user details. 4. The system validates the information. 5. The system saves the changes and updates the user database. 6. The system confirms that the operation was successful.
Alternative Flows	A1. If entered information is invalid or incomplete, the system displays an error message and prompts the administrator to correct it.

UML Use Case Description: Update Career and Learning Data

Use Case Name	Update Career and Learning Data
Primary Actor	Administrator
Goal	To maintain up-to-date information on career paths, job roles, and learning materials in the system.
Preconditions	● The administrator must be logged into the system.
Postconditions	● Career and learning datasets are successfully updated and available to users.
Trigger	The administrator opens the Career and Learning Data Management section.
Main Flow	1. The administrator opens the Career and Learning Data Management section. 2. The administrator adds, edits, or deletes data such as job descriptions, required skills, and learning resources. 3. The system validates the new or modified data. 4. The system updates the database and confirms the successful update. 5. The system then updates the generated career recommendations and suggested learning paths of the users.
Alternative Flows	A1. If there is an error in data formatting or missing fields, the system notifies the administrator and requests correction.

Justin Ramas | John Anthony Romeo | Joel Franco Navales
BSIT - 3 | Soft Eng 1 11102 | UML Use Case Descriptions

UML Use Case Description: Access Job Market Insights

Use Case Name	Access Job Market Insights
Primary Actor	User
Goal	To view real-time insights about job market trends, in-demand skills, and employment statistics.
Preconditions	● The user must be logged in to their account.
Postconditions	● The user gains updated information about the job market relevant to their profile and interests.
Trigger	The user navigates to the Job Market Insights section.
Main Flow	1. The user navigates to the Job Market Insights section. 2. The system retrieves and displays data on current job trends, demand for skills, and career growth opportunities. 3. The user may search or use the filter for specific industries or roles. 4. The system shows detailed insights and relevant recommendations.
Alternative Flows	A1. If no relevant data is found, the system displays a message and suggests related insights.

Justin Ramas | John Anthony Romeo | Joel Franco Navales

BSIT – 3 | Soft Eng 1 11102 | UML Use Case Descriptions

UML Use Case Description: Take Skills Assessment Quiz

Use Case Name	Take Skills Assessment Quiz
Primary Actor	User
Goal	To assess the user's personality, skills, and competencies through an interactive quiz.
Preconditions	● The user must be logged in to their account.
Postconditions	● The user's skill assessment results are saved and analyzed for recommendations.
Trigger	The user navigates to the Skills Assessment Quiz option.
Main Flow	1. The user selects the Skills Assessment Quiz option. 2. The system presents a series of questions related to different skills and personality categories. 3. The user answers all questions. 4. The system evaluates the responses and calculates the results. 5. The system stores the results to the database. 6. The system generates the user's career recommendation based on the user's results and career and learning data.
Alternative Flows	A1. If the quiz is incomplete, the system prompts the user to finish before submitting. A2. If the user exits the app before completing the quiz, the user will continue where he/she left.

Justin Ramas | John Anthony Romeo | Joel Franco Navales
BSIT – 3 | Soft Eng 1 11102 | UML Use Case Descriptions

UML Use Case Description: Build Profile / Resume

Use Case Name	Build Profile / Resume
Primary Actor	User
Goal	To create or edit a user's personal profile and generate a professional resume.
Preconditions	● The user must be logged in to their account. ● The user must have finished answering the Skills Assessment Quiz.
Postconditions	● The user's profile and resume are updated and stored in the database.
Trigger	The user navigates to the Profile/Resume section.
Main Flow	1. The user navigates to the Profile/Resume section. 2. The user inputs or updates personal information, skills, education, and experiences. 3. The system validates and saves the data. 4. The user may generate a formatted resume from the stored information. 5. The system confirms successful saving or generation.
Alternative Flows	A1. If the user has not taken or has not finished answering the Skill Assessment Quiz, the system prompts them to complete it first. A2. If required fields are missing, the system notifies the user and prevents saving until corrected.

Justin Ramas | John Anthony Romeo | Joel Franco Navales

BSIT – 3 | Soft Eng 1 11102 | UML Use Case Descriptions

UML Use Case Description: Explore Learning Path Guidance

Use Case Name	Explore Learning Path Guidance
Primary Actor	User
Goal	To view recommended learning paths based on their Skills Assessment Quiz results and chosen career recommendation.
Preconditions	● The user must be logged in to their account. ● The user must have finished answering the Skills Assessment Quiz.
Postconditions	● The user receives and views personalized learning path recommendations.
Trigger	The user accesses the Learning Path Guidance section.
Main Flow	1. The user accesses the Learning Path Guidance section. 2. The system generates a learning path based on the user's chosen career recommendation and career and learning data. 3. The system matches the data and recommends relevant courses, certifications, or resources. 4. The user reviews and selects a learning path to follow.
Alternative Flows	A1. If the user has not taken or has not finished answering the Skill Assessment Quiz, the system prompts them to complete it first. A2. If the user has not chosen a career recommendation, the system prompts them to choose one first.

UML Use Case Description: View Career Recommendations

Use Case Name	View Career Recommendations
Primary Actor	User
Goal	To view career recommendations based on their Skills Assessment Quiz results.
Preconditions	● The user must be logged in to their account. ● The user must have finished answering the Skills Assessment Quiz.
Postconditions	● The administrator must be logged into the system.
Trigger	The user navigates to career recommendations section
Main Flow	1. The user accesses the Career Recommendations section. 2. The system retrieves the generated suggested career recommendations from the database. 3. The system matches the data with suitable career paths. 4. The user views detailed information about each recommended career and selects a career recommendation.
Alternative Flows	A1. If the user has not taken or has not finished answering the Skill Assessment Quiz, the system prompts them to complete it first. A2. If there are no matches, the system suggests taking the Skills Assessment Quiz or updating profile details. A3. If the user does not select a career recommendation, the system will show all available careers for the user to choose from.