

**International School**

**Capstone Project 2**

CMU-SE 451

**Product Backlog**

**Version 1.0 Date: 19/03/2024**

ITTELLIGENCE IT JOB FINDING

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**Project Information**

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| --- | --- | --- | --- |
| **Project acronym** | IIJF | | |
| **Project Title** | Intelligence IT Job Finding | | |
| **Start Date** | 15th Feb 2024 | **End Date** | 27th May 2024 |
| **Lead Institution** | International School, Duy Tan University | | |
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**Proposal Document**

|  |  |  |  |
| --- | --- | --- | --- |
| **Document Title** | UserStory | | |
| **Reporting Period** |  | | |
| **Author(s) & project** | Tuan, Nguyen Anh | | |
| **Role** | Dat, Nguyen Thanh | Member |  |
| Tri, Le Minh | Member |  |
| Duyet, Pham The | Member |  |
| **Date** | Mar 19th 2024 | Filename | UserStory\_v1.0 |
| **URL** |  | | |
| **Access** | Project and CMU Program | |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Comments** | **Author** | **Approval** |
| 1.0 | 19/03/2024 | Initial Release | All members |  |
|  |  |  |  |  |

**TABLE OF CONTENTS**

[1. Introduction 5](#_Toc162557938)

[1.1 Purpose 5](#_Toc162557939)

[1.2 Scope 5](#_Toc162557940)

[1.3 References 5](#_Toc162557941)

[2. User Stories 6](#_Toc162557942)

[2.1 Sprint 1 6](#_Toc162557944)

[2.1.1 Chat with Chatbot on the web application 6](#_Toc162557945)

[2.1.2 Dashboard view 6](#_Toc162557946)

[2.1.3 Interact with the chatbot to receive approriate suggestions 7](#_Toc162557947)

[2.1.4 Create RASA Chatbot Dashboard 7](#_Toc162557948)

[2.1.5 Intents management 8](#_Toc162557949)

[2.1.6 Rules management 9](#_Toc162557950)

[2.1.7 Stories management 9](#_Toc162557951)

[2.1.8 Responses management 10](#_Toc162557952)

[2.2 Sprint 2 11](#_Toc162557953)

[2.2.1 Job posting management 11](#_Toc162557954)

[2.2.2 Decorate Company 12](#_Toc162557955)

[2.2.3 Comment 12](#_Toc162557956)

[2.2.4 Forum 13](#_Toc162557957)

[2.2.5 Job application 13](#_Toc162557958)

[2.2.6 Message 14](#_Toc162557959)

[2.2.7 Message 14](#_Toc162557960)

[2.3 Sprint 3 15](#_Toc162557961)

[2.3.1 Employer management 15](#_Toc162557962)

[2.3.2 Candidate management 15](#_Toc162557963)

[2.3.3 Job apllication management 17](#_Toc162557964)

[2.3.4 Category management 18](#_Toc162557965)

[2.3.5 Interview schedule 18](#_Toc162557966)

[2.3.6 Test Quizz 19](#_Toc162557967)

[2.3.7 Chat with Chatbot on the web application 19](#_Toc162557968)

[2.3.8 Job categories 20](#_Toc162557969)

[2.3.9 Evaluate suitable job 20](#_Toc162557970)

[2.4 Sprint 4 21](#_Toc162557971)

[2.4.1 Employer registration 21](#_Toc162557972)

[2.4.2 Dashboard view 22](#_Toc162557973)

[2.4.3 Manage candidate 23](#_Toc162557974)

[2.4.4 Evaluate suitable CV 23](#_Toc162557975)

[2.4.5 Interview schedule 23](#_Toc162557976)

# Introduction

In software development, a User Story is one or more sentences that describe the natural language (not the technical language) or the business language of the end user or system user to record. what users need to do or not do their job or duty. User stories are used in methods such as Agile software development as the basis for defining system functions such as business development and to facilitate management of requirements. Help yourself know "who", "what" and "why" in a short, simple request, often limited only by details that can be written on a piece of sticky note or scrap paper small.

User stories written by business users are the primary way of users because they understand most of the system's processes, workflows and functions so it is working right now. User stories can also be written by Dev to make non-functional requirements (like security, performance, quality, etc.).

# Purpose

* Provide a prioritized features list, containing a short description of all functionalities desired in the product.
* Lists everything that the product owner and Scrum team feels should be included in the software they are developing.

# Scope

* Write all the user’s requirements.
* Lists some main functions of the system and acceptance criteria of each function.
* Short description of all the functionality desired in the product.
* Given the priority of each feature and function of the product.

# References

|  |  |  |
| --- | --- | --- |
| **No** | **Source** | **Note** |
| 1 | <https://www.visual-paradigm.com/guide/agile-software-> [development/what-is-user-story/](https://www.visual-paradigm.com/guide/agile-software-development/what-is-user-story/) | What is User Story? |
| 2 | [https://www.atlassian.com/agile/project-management/user-](https://www.atlassian.com/agile/project-management/user-stories) [stories](https://www.atlassian.com/agile/project-management/user-stories) | User Stories with Examples and Template |

# User Stories

## Priority and Estimates

Priorities are set from high (H), medium (M) and low (L):

* Priorities of some user stories can be the same with others.
* If a user story has dependencies, it must have lower priority than its dependencies

# Sprint 1

# Chat with Chatbot on the web application

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As an Admin  I want to chat with Chatbot so that I can control answers of chatbot | | | | |
| Chat with Chatbot | Project: IIJF | | Priority: High | |
| Actor: Admin | Acceptance criteria | | | |
| Story: Admin can control answers of chatbot | Step | Actor Action | | System Response |
| 1 | Click on the chat box to enter question for chatbot | | Displayed on the chat box |
|  | 2 | Enter a few questions in the chatbox | | Chatbot displayed the answer |

# Dashboard view

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As an Admin  I want to access a dashboard view of job hiring trends so that I can monitor system-wide performance | | | | |
| Dashboard view story | Project : IIJF | | Priority : High | |
| Actor: Admin | Acceptance criteria | | | |
| Story: Admin can Access a dashboard view of activity | Step | Actor Action | | System Response |
| 1 | Click on the dashboard icon | | Displayed on the dashboard page |

# Interact with the chatbot to receive approriate suggestions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As a Candidate  I want to interact with the chatbot so that I can find approriate IT Company or technology with me | | | | |
| Employer management story | Project: IIJF | | Priority: Medium | |
| Actor: Candidate | Acceptance criteria | | | |
|  | Step | Actor Action | | System Response |
| Story: Candidate wants to interact with the chatbot | 1 | Enter the any information in the chatbox | | Display answer question |

# Create RASA Chatbot Dashboard

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As a Admin  I want to create RASA Chatbot Dashboard so that I manage information of rules, intents, stories, responses of Chatbot | | | | |
| Candidate management story | Project: IIJF | | Priority: Medium | |
| Actor: Admin | Acceptance criteria | | | |
| Story: The Admin want to create RASA Chatbot Dashboard | Step | Actor Action | | System Response |
| 1 | Click on the dashboard icon | | Displayed on the dashboard page |

# Intents management

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As a Admin  I want to view and manage intents of chatbot and candidate profiles so that I can control the scenarios that users can enter to search | | | | |
| Intents management story | Project: IIJF | | Priority: Medium | |
| Actor: Admin | Acceptance criteria | | | |
| Story: The admin want to view and manage intents of chatbot | Step | Actor Action | | System Response |
| 1 | Navigates to the "Intents Managemen”" section. | | displays Intents Management Page |
| 2 | Enter examples of each intent | | Display code in the YAML editor |
|  | 3 | Enter wrong syntax | | Display error “Sai cú pháp” |

# Rules management

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As a Admin  I want to view and manage rules of chatbot and candidate profiles so that I can view and manage rules with intents, action … | | | | |
| Rules management story | Project: IIJF | | Priority: Medium | |
| Actor: Admin | Acceptance criteria | | | |
| Story: The Admin want to view and manage rules of chatbot | Step | Actor Action | | System Response |
| 1 | Navigates to the "Rule Managemen”" section. | | displays Rule Management Page |
| 2 | Enter rules with step include intents and actions | | Display code in the YAML editor |
| 3 | Enter wrong syntax | | Display error “Sai cú pháp” |

# Stories management

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As a Admin  I want to view and manage stories of chatbot and candidate profiles so that I can view and manage Stories with intents, action … | | | | |
| Stories management story | Project: IIJF | | Priority: Medium | |
| Actor: Admin | Acceptance criteria | | | |
| Story: The Admin want to view and manage Stories of chatbot | Step | Actor Action | | System Response |
| 1 | Navigates to the "Stories Managemen”" section. | | displays Stories Management Page |
| 2 | Enter stories with step include intents and actions | | Display code in the YAML editor |
| 3 | Enter wrong syntax | | Display error “Sai cú pháp” |

# Responses management

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As a Admin  I want to view and manage responses of chatbot and candidate profiles so that I can view and manage Stories with intents, action … | | | | |
| responses management story | Project: IIJF | | Priority: Medium | |
| Actor: Admin | Acceptance criteria | | | |
| Story: The admin want to view and manage responses of chatbot | Step | Actor Action | | System Response |
| 1 | Navigates to the " Responses Managemen”" section. | | displaysRresponses Management Page |
| 2 | Enter Responses with step include intents, responses, actions … | | Display code in the YAML editor |
| 3 | Enter wrong syntax | | Display error “Sai cú pháp” |

# Sprint 2

# Job posting management

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As a Employer  I want to create, edit, and delete job postings so that I can advertise open positions | | | | |
| Job posting management story | Project : IIJF | | Priority : High | |
| Actor : Employer | Acceptance criteria | | | |
| Story: Employer want to create, edit, and delete job postings | Step | Actor Action | | System Response |
| 1 | Click Manage job postings | | Displays a list of posted job postings |
| 2 | Click see more | | Displays the job posting details page |
| 3 | Click delete or edit or add job posting | | Follow the request and notify success |

# Decorate Company

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As an Employer  I want to decorate company’s page so that I can add new images, banner… of company | | | | |
| Decorate Company story | Project: IIJF | | Priority: High | |
| Actor: Employer | Acceptance criteria for successful | | | |
| Story: The Employer want to decorate company’s page | Step | Actor Action | | System Response |
| 1 | Click on company | | Display the company information |
| 2 | Add images, banner | | Displays new images, banner,… |

# Comment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As an Candidate  I want to comment about any company so that I can discuss about IT Company with everyone | | | | |
| Comment story | Project: IIJF | | Priority: High | |
| Actor: Candidate | Acceptance criteria | | | |
| Story: The candidate want to comment about any company | Step | Actor Action | | System Response |
| 1 | Enter sentence | | displayed your sentence below comment section |

# Forum

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As a Candidate  I want to ask question or answer the question so that I can know many information and receive advice from people | | | | |
| Forum Page story | Project: IIJF | | Priority: High | |
| Actor: Candidate | Acceptance criteria | | | |
| Story: Candidate want to ask question or answer the question | Step | Actor Action | | System Response |
| 1 | Click “Tạo” to start new question | | Displays question in the Forum Page |
|  | 2 | Click “Trả lời” to answer the people’s question | | Display answer box to enter information |

# Job application

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As a Candidate  I want to apply for a job so that I can submit my application for a job | | | | |
| Job application story | Project: IIJF | | Priority: High | |
| Actor: Candidate | Acceptance criteria | | | |
| Story: The candidate wants to apply for job | Step | Actor Action | | System Response |
| 1 | Select the list of jobs they want to apply for | | Displays detailed job list |
| 2 | Click on the "Apply" button and submit application including CV in PDF format. | | Confirms the application submission. |

# 2.2.6 Message

|  |  |  |  |
| --- | --- | --- | --- |
| As a Candidate  I want to Contact message with employer so that I can send message for employer | | | |
| Messege story | Project: IIJF | | Priority: High |
| Actor: Candidate | Acceptance criteria | | |
| Story: The Candidate wants to chat with employee | Step | Actor Action | System Response |
| 1 | navigates to the "Contact Message" section | displays a messaging interface. |
| 2 | selects a conversation or initiates a new one, send and receive messages. | The system sends or receives messages as requested to the opponent |

# Message

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As a Employer  I want to Send and receive messages with candidates so that I can communicate with potential hires | | | | |
| Message story | Project : IIJF | | Priority : Medium | |
| Actor : Employer | Acceptance criteria | | | |
| Story: Employer want to send and receive messages with candidates | Step | Actor Action | | System Response |
| 1 | Click on the message icon | | displays the message page |
| 2 | Input message and click the send icon | | Display message in chat |

# Sprint 3

# Employer management

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As a Admin  I want to view and delete employer profiles so that I can manage employer accounts | | | | |
| Employer management story | Project: IIJF | | Priority: Medium | |
| Actor: Admin | Acceptance criteria | | | |
| Story: Admin can view and manage employer profiles | Step | Actor Action | | System Response |
|  | 1 | navigates to the "Manage Employer" section. | | Displays a list of employer profiles. |
| 2 | selects an employer profile for management and editing, or removing the selected employer profile. | | The system notifies "<action> successfully" |

# Candidate management

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As a Admin  I want to view and delete candidate profiles so that I can monitor candidate applications | | | | |
| Candidate management story | Project: IIJF | | Priority: Medium | |
| Actor: Admin | Acceptance criteria | | | |
| Story: The admin can view and manage candidate profiles | Step | Actor Action | | System Response |
| 1 | Navigates to the "Manage Candidate" section. | | Displays a list of candidate profiles. |
| 2 | selects a candidate profile for management and editing, or removing the selected candidate profile. | | The system notifies "<action> successfully" |

# Job apllication management

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As a Admin  I want to view and delete job applications and candidate profiles so that I can monitor the hiring process and candidate details | | | | |
| Job application management story | Project : IIJF | | Priority : Medium | |
| Actor: Admin | Acceptance criteria | | | |
| Story: The Admin can view and manage job applications and candidate profiles | Step | Actor Action | | System Response |
| 1 | Navigates to the "Manage Transaction" section. | | Displays a list of system transactions. |
| 2 | selects a transaction for detailed management and reviewing transaction details, transactions hitory | | The system responds as required |

# Category management

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As a Admin  I want to create, edit, and delete job categories so that I can organize job listings effectively | | | | |
| Category management story | Project: IIJF | | Priority: Medium | |
| Actor: Admin | Acceptance criteria | | | |
| Story: The admin can create, edit, and delete job categories | Step | Actor Action | | System Response |
| 1 | Navigates to the "Manage Category Job" section. | | Nisplays a list of job categories. |
|  | 2 | selects a category for management and adding, editing, or deleting job categories. | | The system notifies "<action> successfully" |

# Interview schedule

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As a Employer  I want to view schedule interviews with candidates so that I can plan and coordinate the hiring process | | | | |
| Interview scheduling story | Project : IIJF | | Priority : Medium | |
| Actor : Employer | Acceptance criteria | | | |
| Story: Employer want to view schedule interviews with candidates | Step | Actor Action | | System Response |
| 1 | Click on the dashboard icon | | displays the dashboard page |
| 2 | In the schedule section click on the see more icon | | displays schedule interviews with candidates |

# Test Quizz

|  |  |  |  |
| --- | --- | --- | --- |
| As a Candidate  I want does test quizz so that I can know how suitable for the job | | | |
| Change password story | Project : IIJF | | Priority : Medium |
| Actor: Candidate | Acceptance criteria | | |
| Story: The candidate does test quizz | Step | Actor Action | System Response |
| 1 | Click the “Test Quizz” Page | Display on the Test Quizz Page |
| 2 | Enter “Make Test Quizz” to start doing Test Quizz | Display questions to choose |
|  | 3 | Don’t choose answer | Don’t move to next question |

# Chat with Chatbot on the web application

|  |  |  |  |
| --- | --- | --- | --- |
| As a Candidate  I want to chat with Chatbot so that I can make question to know information about IT industry | | | |
| Chat with Chatbot story | Project: IIJF | | Priority: Heigh |
| Actor: Candidate | Acceptance criteria | | |
| Story: I can make question to know information about IT industry | Step | Actor Action | System Response |
| 1 | Enter the question which you want chatbot answer | Chatbot will display the answer |
| 2 | Enter information which chatbot doesn’t have | Chatbot will collect and answer later |

# Job categories

|  |  |  |  |
| --- | --- | --- | --- |
| As a Candidate  I want to View and filter list jobs by categories so that I can filter my job by categories | | | |
| Job categories story | Project: IIJF | | Priority: Medium |
| Actor: Candidate | Acceptance criteria | | |
| Story: The Candidate want to View and filter list jobs by categories | Step | Actor Action | System Response |
| 1 | Click list jobs by categories | Display jobs by categories |

# Evaluate suitable job

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As a Candidate  I can See my suitability for the job so that I can view detailed match percentage, radar chart on skills, experience, salary, other factors and | | | | |
| Evaluate suitable job story | Project: IIJF | | Priority: High | |
| Actor: Candidate | Acceptance criteria | | | |
| Story: The Candidate wants to Get candidate suggestions based on their request | Step | Actor Action | | System Response |
| 1 | Click on work icon | | The system displays a list of jobs |
| 2 | click on the button Evaluate | | The system now displays the appropriate ratio of candidates to the job |

# Sprint 4

# Employer registration

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As an Employer  I want to register a new employer account so that I can access and use the employer features | | | | |
| Employer registration story | Project: IIJF | | Priority: High | |
| Actor : Employer | Acceptance criteria for successful | | | |
| Story: The Employer want to register a new employer account | Step | Actor Action | | System Response |
| 1 | Click on the registration icon | | Display the registration form |
| 2 | Enter User name correct,  Enter Password correct,  Click registration | | Display notification "Đăng kí thành công!" |
| Acceptance criteria for failure 1 | | | |
| 1 | Click on the registration icon | | Display the registration form |
| 2 | Not enter User name correct,  Not enter Password correct,  Click registration | | Display notification "Email không được bỏ trống" and Display notification "Mật khẩu ít nhất phải có 6 ký tự" |
| Acceptance criteria for failure 2 | | | |
| 1 | Click on the registration icon | | Display the registration form |

# Dashboard view

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As an Employer  I want to Access a dashboard with an overview of activity so that I can monitor the company's performance | | | | |
| Dashboard view story | Project: IIJF | | Priority : High | |
| Actor: Employer | Acceptance criteria | | | |
| Story: The Employer wants to access a dashboard with an overview of activity | Step | Actor Action | | System Response |
| 1 | Click on the dashboard icon | | displayed on the dashboard page |

# Manage candidate

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As a Employer  I want to View and manage candidates who applied to the company so that I can evaluate and hire suitable candidates | | | | |
| Manage candidates story | Project : IIJF | | Priority : High | |
| Actor: Employer | Acceptance criteria | | | |
| Story: Employer want to view and manage candidates who applied to the company | Step | Actor Action | | System Response |
| 1 | Click on the cv management icon | | Displays candidate information |

# Evaluate suitable CV

|  |  |  |  |
| --- | --- | --- | --- |
| As a Employer  I wan to see my suitability for the CV so that I can view detailed match percentage, radar chart on skills, experience, salary, other factors and which skills are lacking | | | |
| Evaluate suitable CV story | Project : IIJF | | Priority : High |
| Actor: Employer | Acceptance criteria | | |
| Story: The Employer wants to Get candidate suggestions based on their request | Step | Actor Action | System Response |
| 1 | Click on manage CV icon | The system generates and arranges suitable CVs based on priority order |

# Interview schedule

|  |  |  |  |
| --- | --- | --- | --- |
| As a Candidate  I want to view interview schedules so that I can prepare for and attend interviews | | | |
| Interview schedule story | Project: IIJF | | Priority: High |
| Actor: Candidate | Acceptance criteria | | |
| Story: The Candidate wants to view interview schedule | Step | Actor Action | System Response |
| 1 | Cick on the Home icon | Displays the Home page |
| 3 | In the schedule section click on the see more icon | Displays schedule interviews with candidates |