



International School

Capstone Project 2

CMU-SE 451

Product Backlog

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ITTELLIGENCE IT JOB FINDING

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Project Information

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1. 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.).

1.1 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.

1.2 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.

1.3 References

No	Source	Note
1	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-stories	User Stories with Examples and Template

2. 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

2.1 Sprint 1

2.1.1 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

2.1.2 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	Step	Actor Action	System Response

dashboard view of activity	1	Click on the dashboard icon	Displayed on the dashboard page
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2.1.3 Interact with the chatbot to receive appropriate suggestions

As a Candidate I want to interact with the chatbot so that I can find appropriate 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

2.1.4 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	Step	Actor Action	System Response

create RASA Chatbot Dashboard	1	Click on the dashboard icon	Displayed on the dashboard page
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2.1.5 Intents management

<p>As a Admin</p> <p>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</p>			
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”
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2.1.6 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”

2.1.7 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 Management" 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"

2.1.8 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 Management" section.	displaysResponses 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"

2.2 Sprint 2

2.2.1 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

2.2.2 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,...

2.2.3 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

2.2.4 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

2.2.5 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.
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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

2.2.7 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

2.3 Sprint 3

2.3.1 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"

2.3.2 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"

2.3.3 Job application 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 history	The system responds as required

2.3.4 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"

2.3.5 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
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2.3.6 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

2.3.7 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: High
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

2.3.8 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

2.3.9 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

2.4 Sprint 4

2.4.1 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,	Display notification "Đăng kí thành công!"

		Click registration	
	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

2.4.2 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

2.4.3 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

2.4.4 Evaluate suitable CV

As a Employer I want 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

2.4.5 Interview schedule

As a Candidate I want to view interview schedules so that I can prepare for and attend interviews
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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	Click on the Home icon	Displays the Home page
	3	In the schedule section click on the see more icon	Displays schedule interviews with candidates