

FREELANCE JOB SYSTEM

Software Requirement Specification

- Ho Chi Minh, July 2022-

Table of Contents

. Overview	3
1. Introduction	3
2. System Functions	4
a. Class Diagram	4
b. Class Specifications	4
c. Sequence Diagram(s)	8
d. Non-Screen Functions	8
3. Common Requirements	8
I. Functional Requirements	9
1. Login	9
2. Sign up	10
3. Forgot password	10
4. Post a project	11
5. Project list	12
6. View project detail	12
7. Apply project	13

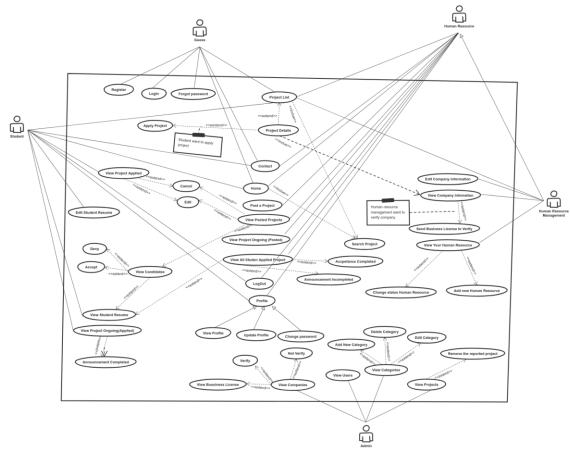
8.	Project applied	13
9.	Edit form application	14
10.	Open project	14
11.	Edit project posted	15
12.	Cancel project	16
13.	List candidate	17
14.	View profile	18
15.	Deny	18
16.	Accept	19
17.	View form application	19
18.	Work in progress	20
19.	Current work	21
20.	View resume	21
21.	Edit resume	22
22.	Your company information	23
23.	Edit your company	24
24.	View your company	25
25.	Your human resources	26
26.	Add new human resources	27
27.	Update human resource	28
28.	Search project	28
29.	Submit project	28
30.	View submit	29
31.	Past work	30
32.	Dispute	31

I. Overview

1. Introduction

The job search system is a new software system that replaces manual processes by searching the internet and submitting resumes online. The system is expected to grow through many releases, eventually connecting to the service via the internet for most companies and customers for the purpose of job search and recruitment.

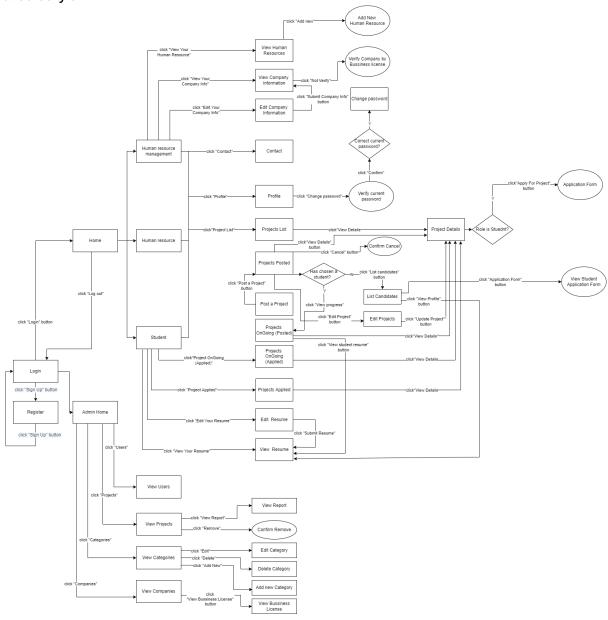
User case diagram



www.sketchboard.id

2. System Functions

a. Screenflow



b. Screen Details

b. Sercen Betans					
#	Feature	Screen	Description		
			This function allows User to register		
			herself/himself to the system by input		
1			following information: full name, email,		
1			password, role. User then need to verify by		
		User	clicking the link sent via email to him/her		
	Register	Registration	before being able to access the system		

2	Login	User Login	Login screen includes: - Text input: email, password - Checkbox: Remember me - Link: Forgot password, Login with Google, SignUp - Button: "Login"
3	Reset Passwor	Reset Password	This function allows the user to enter the user's email. The user then needs to verify by clicking on the link emailed to him/her before being able to input a new password.
4	Create	Create Company Information	This function allows the human resource management to register his/her company information to the system by input following information: company name, established year, address, type company, website, email, phone, number of employees, company overview.
5	Create	Create student resume	This function allows students to create their resume: avatar, fullname, date of birth, gender, address, phone number, email, GPA, major, skill, website, github, linkedin, self-introduction
	Create	Post a project	This function allows human resources, human resources management to post a project including: project name, project category, skills required, how do you want to pay, budget, email, phone, expiry date, address, description
	Create	Create new human resource of company	Human resource management will add an account for their human resource by entering full name and email. Human resources will verify by clicking on the link sent via email. Then they will change their password
	Create	Create application form	A pop-up will appear allowing student to send their form application (budget deal, message, cv)
	View	View all projects posted	The screen will display a list of projects that owner have posted The screen will display information of users full.
	View	View profile user View current	The screen will display information of user: full name, email The screen will display a list of projects that
	View	work Work in	owner have applied that is doing or done The screen will display a list of projects that
	View	View all	The screen will display a list of students that have applied a project and allow the human
L	View	student that	resource deny or accept

	have applied a	
	project	
	View all	
View	projects	The screen will show all the projects
	View all	The screen will display a list of projects that
View	projects applied	student have applied for
	View student	The screen will display all information about
View	resume	the student.
	View company	The screen will display all information about
View	information	the company.
, == ,,	Verify	The screen asks human resource management
	company	to upload a business licence file to verify their
	information	company information
	View all human	
	resource of	The screen will display all human resource of
View	company	the human resource management
V 10 VV	View all project	The screen will show all the projects of a
View	of category	category
V IC VV	of category	The screen will show information about web
View	View Contact	owner
VIEW	VIEW COIIIact	
	Edit user	The screen will display information of user: full
Edit	profile	name, email and allow owner to edit it and
Euit	-	change password
Edit	Edit student	The screen will display the student's
1	resume	information and allow them to edit it
Change	C1	Th: f
passwor	Change	This function allow owner enter his/her current
d	password	password and change new password
T. 11.	Edit company	The screen will display the company
Edit	information	information and allow owner to edit it
F. 11.	Edit project	The screen will show the project information
Edit	posted	the owner has posted and allow owner to edit it
	Edit form	The screen will show the application form
Edit	application	information and allow owner edit it
		The screen will display all human resource and
	Edit human	allow the human resource management can edit
Edit	resource status	status
		This screen will display 3 option help user
		search project which they have posted
		- Project category
Search	Search project	- Project skills
project	user posted	- Project title
		This screen will display 3 option help student
		search project which they have applied
1	1	Project actogory
		- Project category
Search	Search project	- Project category - Project skills

		This screen will display 3 option help user search project which they want
		- Project category
Search	Search all	- Project skills
project	project	- Project title
Delete	Cancel project application	The screen will show a pop-up for the owner to confirm. If "yes" is selected, the application will be deleted. If "No" is selected, the pop-up will close and the application will not be deleted.
Delete	Delete project posted	The screen will show a pop-up for the owner to confirm. If "yes" is selected, the project will be deleted. If "No" is selected, the pop-up will close and the project will not be deleted.
Project	1	
Manage		Admin can see a statistic of number of projects
ment	View Chart	and that filter by date
Project		
Manage		Admin can access directly to the project they
ment	View project	chose
Project		
Manage	G 1	
ment	Search	Admin can search a project by name and status
User Manage		Admin can search a user by Name, Status and
ment	Search	Role
User	Search	Role
Manage		
ment	Block Account	Admin can block or unblock an account
User		
Manage		
ment	View Profile	Admin can access directly to user's profile
User		
Manage	Croots Na	Admin can areata a navy account
ment Categor	Create New	Admin can create a new account
Categor		
y Manage		
ment	Create New	Admin can create a new job category
Categor		J. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
y		
Manage		
ment	Edit	Admin can update a category's information
Categor		
y		
Manage	Dalata	Admin con delete e cota serv
ment	Delete	Admin can delete a category

c. User Authorization

Log out Log out

Screen	Guess	Adm in	Student	Human resourc e	Human resource Management
Login	X	X	X	X	X
Register	X				
Forgot password	X				
Home	X		X	X	X
View all project	X		X	X	X
View project details	X		X	X	X
Apply a project			X		
Create student resume			X		
Edit student resume			X		
View student resume			X	X	X
View all project applied			X		
Edit application form			X		
View all project posted			X	X	X
Edit project posted			X	X	X
View all project ongoing			**		
(applied)			X		
View all project ongoing			X	X	X
(posted)			Λ	Λ	Λ
View all student have applied a				X	X
project					
Create company information					X
View company information			X	X	X
Edit company information					X
Verify company					X
View all human resource of a company					X
Create new human resource					X
Post a project			X	X	X
Contact	X	X	X	X	X

In which:

- Guess: Unregistered users
- Students: They are student of FPTU who can post projects and apply for projects
- Human resources: They are recruiters of a company
- Human resources Management: They are the manager of the human resources of a company
- Admin: The organisation leader/manager, acts as the system administrator

d. Non-Screen Functions

#	Feature	System Function	Description
1		User authentication	Authentication users based on their role in the system
2		User authorization	It is used to authorise users' role so that they are directed to appropriate pages to perform their expected action.

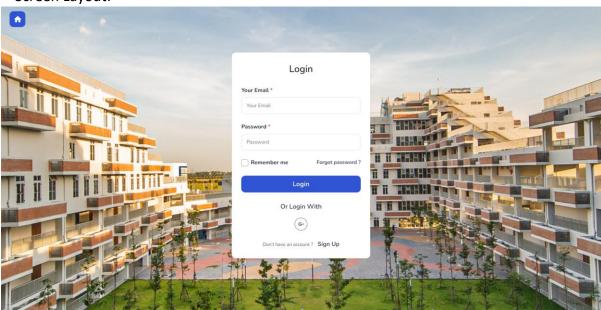
3. Common Requirements

- -User Login: authenticate the user to give him/her access to authorised features later on the system.
- -User Register: register new user into system
- -User Authorization: authorise user into the system functions based on his/her role

II. Functional Requirements

1. Login

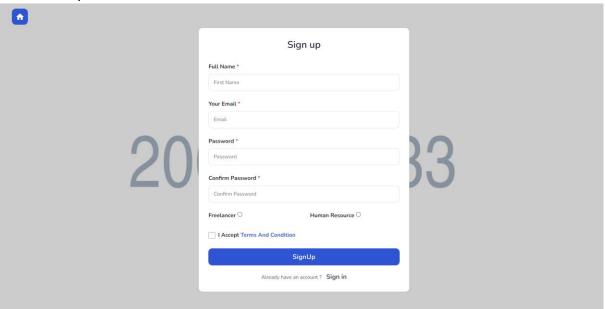
- Function trigger: Actor wants to log in
- Function description: This feature allows users to log in.
- Screen Layout:



- Function Details:
 - Data: send inputted email, password through HTTP.
 - Validation: email and password must not be empty.
 - Functionalities: authorise the user with correct credentials and corresponding role to manage the function that is appropriate for that role.

2. Sign Up

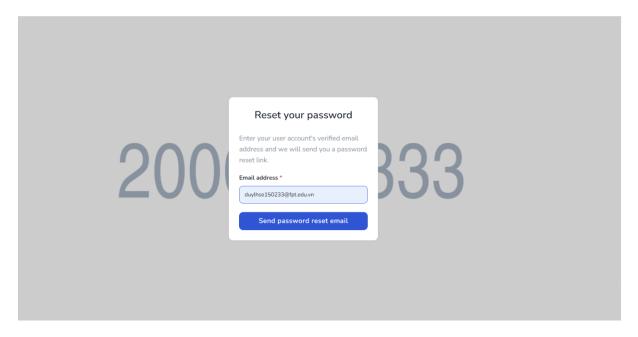
- Function trigger: Actor wants to sign up
- Function description: This feature allows users to sign up.
- Screen Layout:



- Function Details:
 - o Data: send inputted full name, email, password, choose role.
 - o Validation: All information not be empty, email cannot already exist
 - $\circ\,$ Functionalities: Allow guests to create accounts with appropriate roles to log into the system

3. Forgot password

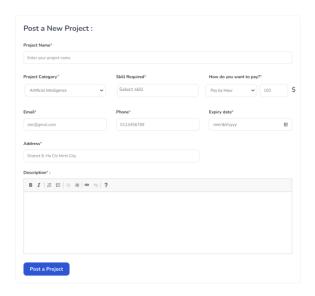
- Function trigger: Students and human resources want to change their password.
- Function description: When they click the "Forgot password" button. This feature allows them to change their password.
- Screen Layout:



- Function Details:
 - o Data: send email.
 - o Validation: email not be empty.
 - Functionalities: Allow students and human resources to change their password.

4. Post a project

- Function trigger: Human resources want to post a project.
- Function description: When they click the "Post a project" button. This feature allows them to post a project.
- Screen Layout:

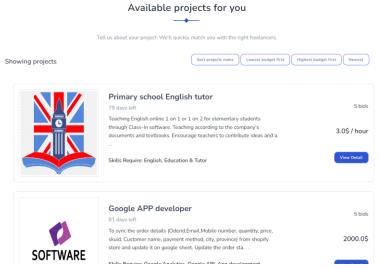


• Function Details:

- Data: Send project name, skills required, how do you want to pay, email, phone, expiry date, address, description
- o Validation: All information not be empty, email and phone must validation
- o Functionalities: Allow Students and human resources to post a project.

5. Project list

- Function trigger: Guess, students and human resources want to view all projects posted.
 - Function description: This feature allows them to view all projects posted .
 - Screen Layout:

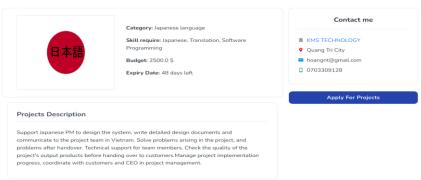


- Function Details:
 - o Data: View, sort, search
 - Functionalities: Allow guests, students and human resources to view all projects posted

6. View project detail

- Function trigger: Students and human resources want to view project details.
- Function description: This feature allows them to view project details.
- Screen Layout:

N2 - Bridge Engineer

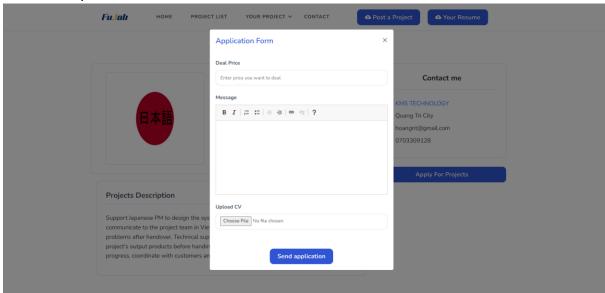


- Function Details:
 - o Data:
 - Validation:
- o Functionalities: Allow students and human resources to view a project detail

^

7. Apply project

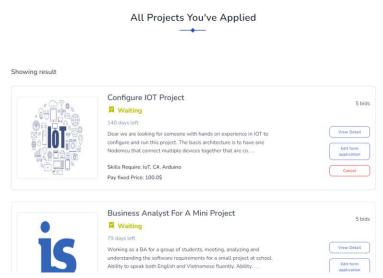
- Function trigger: Student wants to apply for a project.
- Function description: Students click the "Apply for project" button. This feature allows students to apply for a project.
- Screen Layout:



- Function Details:
 - o Data: send inputted deal price, message, file CV
 - Validation: All information not be empty
 - o Functionalities: Allow student to send a form application

8. Project applied

- Function trigger: Student wants to view all projects applied.
- Function description: This feature allows students to view all projects applied .
- Screen Layout:

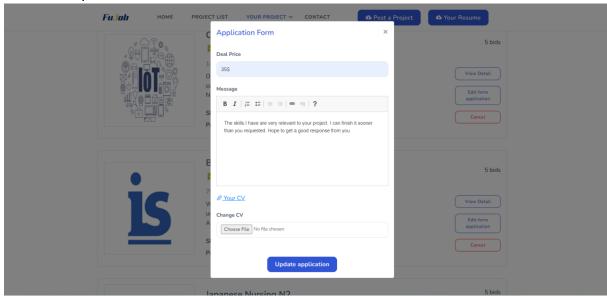


- Function Details:
 - o Data:

- O Validation:
- Functionalities: Allow student to view a project applied

9. Edit form application

- Function trigger: Student wants to edit form application.
- Function description: Student clicks the "Edit form application" button. This feature allows students to edit form applications.
- Screen Layout:



- Function Details:
 - o Data: send inputted deal price, message, file CV
 - Validation: All information not be empty
 - o Functionalities: Allow student to update a form application

10. Open project (project posted)

- Function trigger: Students and human resources want to view projects posted.
- Function description: This feature allows students and human resources to view projects posted.
- Screen Layout:

List of projects posted



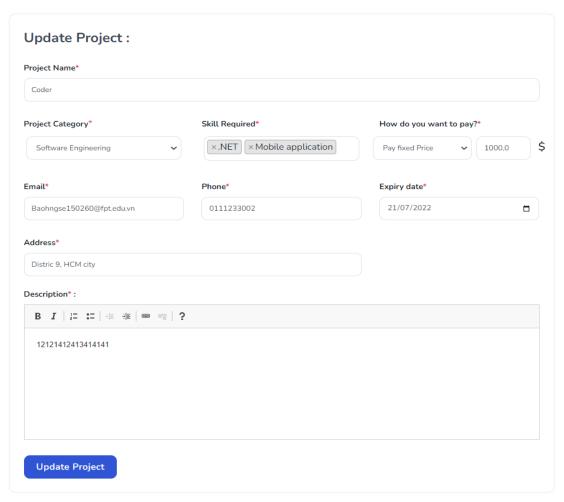
Tell us about your project. We'll quickly match you with the right freelancers.

Showing result 5 bids Coder Dang dang Edit Project 15 days left View Detail 12121412413414141 **SOFTWARE** Skills Require: .NET, Mobile application Pay fixed Price: 1000.0\$ Need A Person Teach JMAS 5 bids Co nhan vien 8 days left View Detail 123123123 **SOFTWARE** Skills Require: Math Pay by Hour: 1.0\$ / hour

- Function Details:
 - o Data:
 - O Validation:
- o Functionalities: Allow students and human resources to view a project posted

11. Edit project posted

- Function trigger: Student and human resource wants to edit form application.
- Function description: Students and human resources click the "Edit project" button. This feature allows them to edit projects posted.
- Screen Layout:

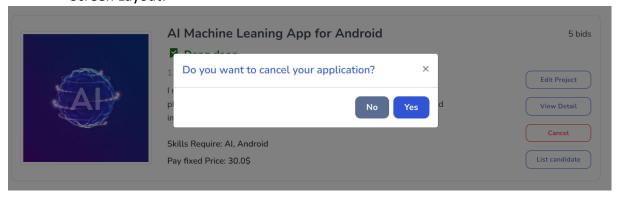


• Function Details:

- o Data: Send project name, skills required, how do you want to pay, email, phone, expiry date, address, description
- Validation: All information not empty, email and phone must be validated.
- $\,\circ\,$ Functionalities: Allow students and human resources to edit projects posted

12. Cancel project

- Function trigger: Students want to cancel project applications.
- Function description: Students click the "Cancel" button. This feature allows students to cancel project applications.
- Screen Layout:

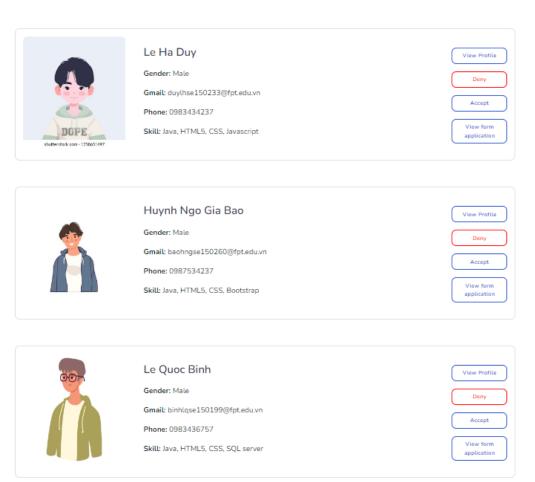


- Function Details:
 - o Data:
 - O Validation:
 - o Functionalities: Allow students to cancel project applications.

13. List candidate

- Function trigger: Human resource wants to see other students apply for their project.
- Function description: Human resource click the "List candidate" button. This feature allows them to view other students applying for their project.
- Screen Layout:

Showing result

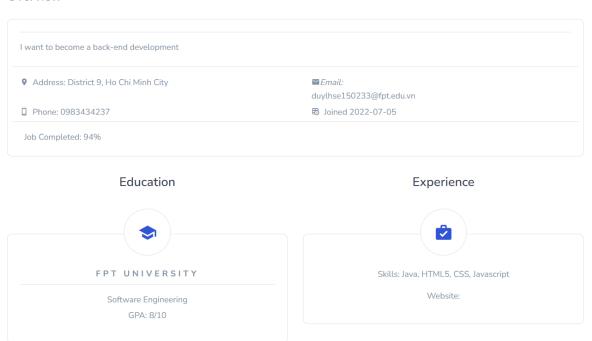


- Function Details:
 - o Data:
 - O Validation:
 - o Functionalities: Allowhhuman resources to view other students applying for their project.

14. View profile

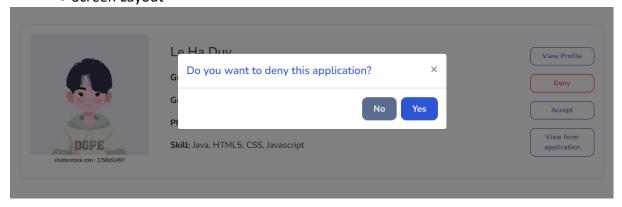
- Function trigger: Students and human resources want to view candidate profiles.
- Function description: Students and human resources click the "View profile" button. This feature allows students and human resources to view candidate profiles.
- Screen Layout:

Overview



15. Deny

- Function trigger: Students and human resources deny other students who want to apply for their project.
- Function description: Students and human resources click the "Deny" button. This feature allows students and human resources to deny other students who want to apply for their project.
- Screen Layout

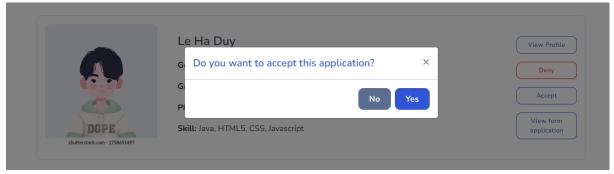


- Function Details:
 - o Data:
 - O Validation:

• Functionalities: Allow students and human resources to deny other students who want to apply for their project.

16. Accept

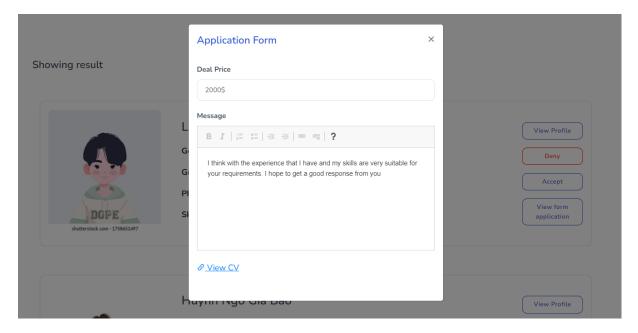
- Function trigger: Students and human resources accept other students who want to apply for their project.
- Function description: Students and human resources click the "Accept" button. This feature allows students and human resources to accept other students who want to apply for their project.
- Screen Layout



- Function Details:
 - o Data:
 - O Validation:
 - Functionalities: Allow students and human resources to accept other students who want to apply for their project.

17. View form application

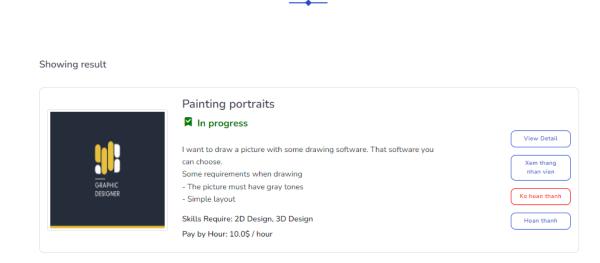
- Function trigger: Students and human resources view form applications from other students who want to apply for their project.
- Function description: Students and human resources click the "View form application" button. This feature allows students and human resources to view form applications from other students who want to apply for their project.
- Screen Layout



- Function Details:
 - O Data:
 - O Validation:
 - Functionalities: Allow students and human resources to view form applications from other students who want to apply for their project.

18. Work in progress

- Function trigger: Human resources want to view their projects that other students do.
- Function description: Human resources click the "Project ongoing" link. This feature allows human resources to view their projects that other students do.
- Screen Layout:



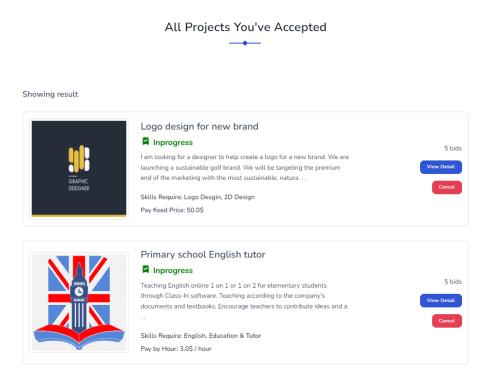
All Projects You've Accepted

• Function Details:

- O Data:
- O Validation:
- Functionalities: Allow human resources to view their projects that other students do

19. Current work

- Function trigger: Students want to view projects they have applied for and been accepted by other students or human resources.
- Function description: Students click the "Current work" link. This feature allows students to view projects they have applied for and been accepted by other students or human resources.
- Screen Layout:

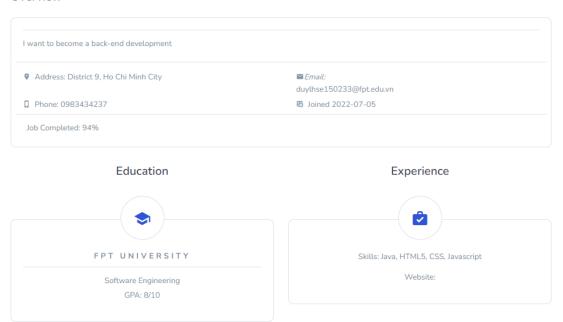


- Function Details:
 - O Data:
 - O Validation:
 - $\circ\,$ Functionalities: Allow student to view projects they have applied for and been accepted by other students or human resources

20. View resume

- Function trigger: Students want to view their resume.
- Function description: Students click the "View resume" button. This feature allows students to view their resume.
- Screen Layout:

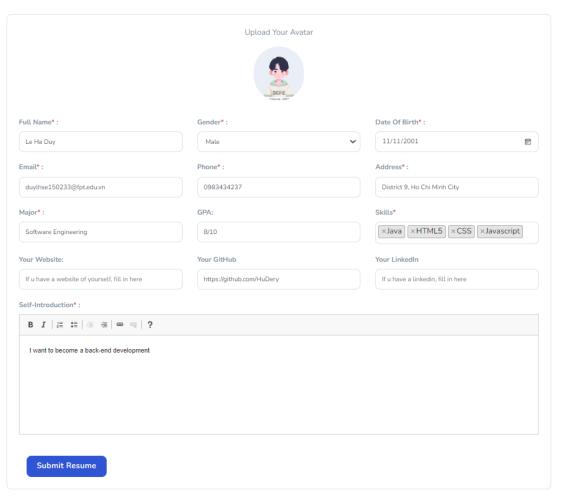
Overview



- Function Details:
 - o Data:
 - O Validation:
 - o Functionalities: Allow students to view their resume

21. Edit resume

- Function trigger: Student wants to edit form application.
- Function description: Students click the "Edit project" button. This feature allows students to edit projects posted.
- Screen Layout:



• Function Details:

- o Data: Send full name, skill, date of birth, email, phone, address, major, GPA, skills, your website, your github, your linkedin, self-introduction.
- Validation: Full name, skill, date of birth, email, phone, address, major, skills not be empty, email and phone must be validated.
- o Functionalities: Allow students to create or update their resume.

22. Your company information

- Function trigger: Human resources want to view their company.
- Function description: Human resources click the "Your company info" button. This feature allows students to view their company.
- Screen Layout:

KATALON

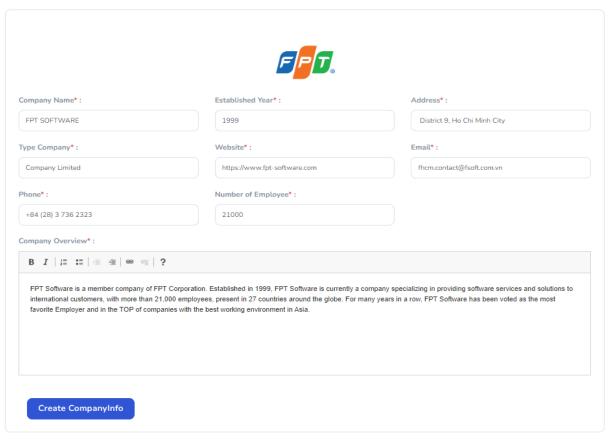
• Dist	rict 10, Ho Chi Minh City A Not V	erified //erified			
	n.com/ partner@katalon.com	0982369322			
Employer	Туре	Established Year			
1000	Company Limited	2015			
Company Overview :					

We are a global team with various backgrounds and cultures yet with the common desire to help make better software easier. We work with the community to truly understand obstacles and roadblocks in software quality and then collaborate with others to create innovative and practical solutions. We at Katalon help teams build better software faster with our innovative, programmatic, and tenacious testing tools. Over 100k individuals use our products to write, execute, and analyze tests, and over 10k teams of all sizes use Katalon's platform to organize, orchestrate, and scale their DevOps and test automation.

- Function Details:
 - o Data:
 - O Validation:
 - o Functionalities: Allow human resources to view their company.

23. Edit your company

- Function trigger: Human resource managers want to create or edit their company.
- Function description: Human resource managers click the "Edit your company" button. This feature allows human resource managers to create or edit their company.
- Screen Layout:



• Function Details:

- Data: Company name, established year, address, type company, website, email, phone, number of employees, company overview.
- \circ Validation: All information not empty, company name cannot be the same, email and phone must be validated
- Functionalities: Allow human resource managers to create or edit their company.

24. View your company

- Function trigger: Human resource managers want to view their company.
- Function description: Human resource managers click the "View your company" button. This feature allows students to view their company.
- Screen Layout:



FPT SOFTWARE

	District 9, Ho (Chi Minh City A Not Verified	
6	https://www.fpt-software.com	hcm.contact@fsoft.com.vn 🔲 +8	4 (28) 3 736 2323
E	Employer	Туре	Established Year

Company Limited

1999

Company Overview:

FPT Software is a member company of FPT Corporation. Established in 1999, FPT Software is currently a company specializing in providing software services and solutions to international customers, with more than 21,000 employees, present in 27 countries around the globe. For many years in a row, FPT Software has been voted as the most favorite Employer and in the TOP of companies with the best working environment in Asia.

- Function Details:
 - O Data:
 - Validation:

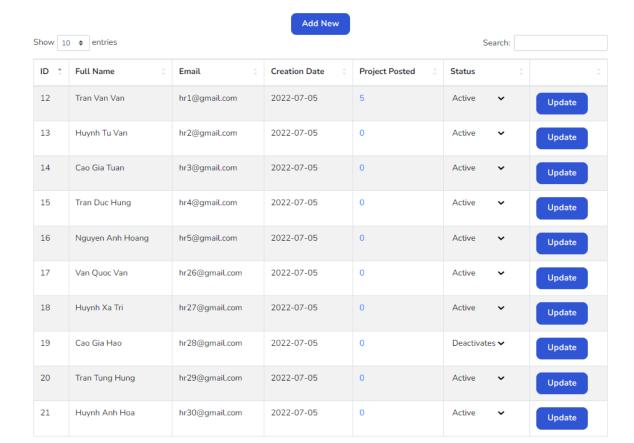
21000

o Functionalities: Allow human resource managers to view their company.

25. Your human resources

- Function trigger: Human resource managers want to view their human resources.
- Function description: Human resource managers click the "Your human resources" button. This feature allows them to view their human resources.
- Screen Layout:

Your human resource

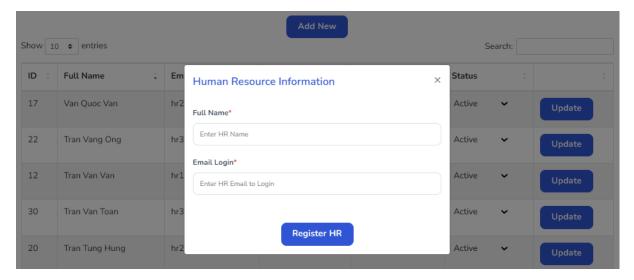


• Function Details:

- O Data:
- Ovalidation:
- o Functionalities: Allow Human resource managers to view their human resources.

26. Add new human resources

- Function trigger: Human resource managers want to add new human resources.
- Function description: Human resource managers click the "Add new" button. This feature allows them to add new human resources.
- Screen Layout:



• Function Details:

- o Data: Full name, email login
- Validation: All information not empty
- Functionalities: Allow Human resource managers to add new human resources.

27. Update human resource

- Function trigger: Human resource managers want to update properties of human resources.
- Function description: Human resource managers click the "Update" button. This feature allows them to update properties of human resources.
- Screen Layout:



• Function Details:

- o Data: Full name, email, creation date, project posted, status
- Validation:
- o Functionalities: Allow Human resource managers to update properties of human resources.

28. Search project

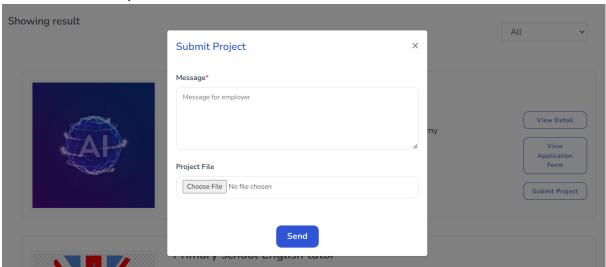
- Function trigger: Students, human resources managers, human resource, guests want to search projects.
- Function description: Human resource managers click the "Find" button. This feature allows them to search projects.
- Screen Layout:



- Function Details:
 - Data: Project name, skill, category
 - O Validation:
 - Functionalities: Allow students, human resources managers, human resource, guests to search projects.

29. Submit project

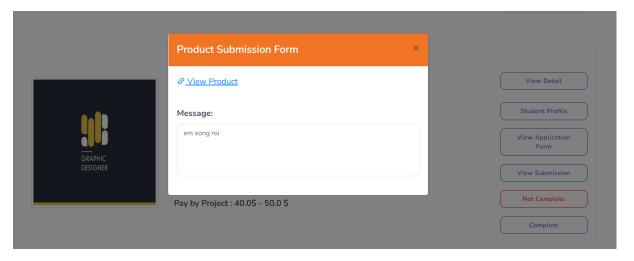
- Function trigger: Students want to submit a project.
- Function description: Students click the "Submit project" button. This feature allows them to submit projects.
- Screen Layout:



- Function Details:
 - o Data: Message, product file
 - Validation: All information not empty
 - o Functionalities: Allow students to submit their projects.

30. View submit

- Function trigger: Students want to submit a project.
- Function description: Students click the "Submit project" button. This feature allows them to submit projects.
- Screen Layout:



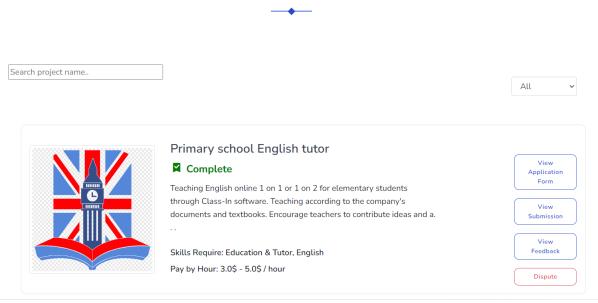
- Function Details:
 - o Data:
 - Validation:
 - o Functionalities: Human resources managers, human resource, view submit projects which students send.

31. Past work

- Function trigger: Students want to view the complete project.
- Function description: Students click the "Past work" link. This feature allows them to view the complete project.

All Past Works

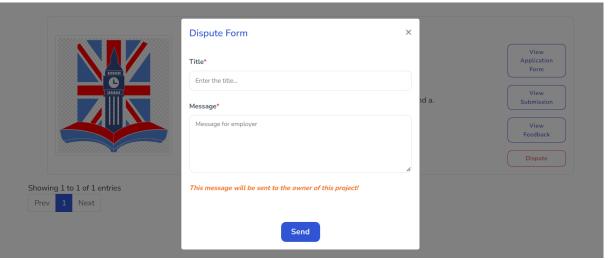
• Screen Layout:



- Function Details:
 - o Data:
 - Validation:
 - o Functionalities: Student view the complete project.

32. Dispute

- Function trigger: Students and human resources want to dispute their partner.
- Function description: Students and human resources click the "Dispute" button. This feature allows them to dispute their partner.
- Screen Layout:



- Function Details:
 - o Data: Title, message
 - o Validation: All information not empty
 - o Functionalities: Allow Students and human to dispute their partner.