
TSE2101

Final Report

for

Foreign Worker Agency System

Version 3

Group No.: 2

OH JIA WEN	<1131119183>
ENG SHI YNG	<1141328742>
FANG SIAW TUNG	<1141328079>
CHUNG SHYE YEEN	<1141327987>

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Revisions

Version	Primary Author(s)	Description of Version	Date Completed
Draft Type and Number	Full Name	Information about the revision. This table does not need to be filled in whenever a document is touched, only when the version is being upgraded.	00/00/00

1 Project Management

1.1 Team Members

Name	Position	Actor
ENG SHI YNG	Team Leader	Worker
FANG SIAW TUNG	Programming Leader	Company
CHUNG SHYE YEEN	Document Manager	Agency Staff
OH JIA WEN	Quality Manager	Agency Manager

1.2 Project Plan

Our project is Foreign Worker Agency System which is an Application Software. We use suitable applications and tools which are Microsoft Word 2010, Microsoft Project 2010, Visual Paradigm Community Edition version 12.2, Microsoft Visual Basic 2015, XAMPP and Adobe CS5 to develop our project.

We follow the software process model which is Waterfall model to plan the process of our project. This process model are classic, sequential life cycle, and easy to implement. The phase in this process model are communication, planning, modeling, construction, and deployment. But a phase has to be complete before moving onto the next phase. In order to let the process to be conduct very efficient. So, we draw a gantt chart.

Our main users are foreign worker, company, agency staff and manager. All the users have their own role use in the system.

2 System Overview

2.1 Description

The system will allow worker to login by entering ID and password. After login success, worker can select some function in home page. Select view personal detail function, system will display their personal detail. In the view personal detail function, worker also can select edit function to update their personal detail. Select view working permit status function in the home page, system will display their working permit status detail.

The system will allow company to login by entering ID and password. After login success, company can add worker. Select view worker detail function, system will display the worker detail. In the worker detail screen, company can update and delete worker. Company also can apply permit for worker. Company also can go through check permit status function to view worker premit status, and also can renew the premit.

The system will allow agency staff to login by entering ID and password. After login success, staff can add company. System will display the company detail to let staff to view and update. System perform some function to let staff to help company to add their worker, view worker detail, check worker premit ,and renew the premit.

The system will allow agency manager to login by entering ID and password. After login success, manager can approve the premit for the worker. Manager also can view company and worker detail.

2.2 Actors

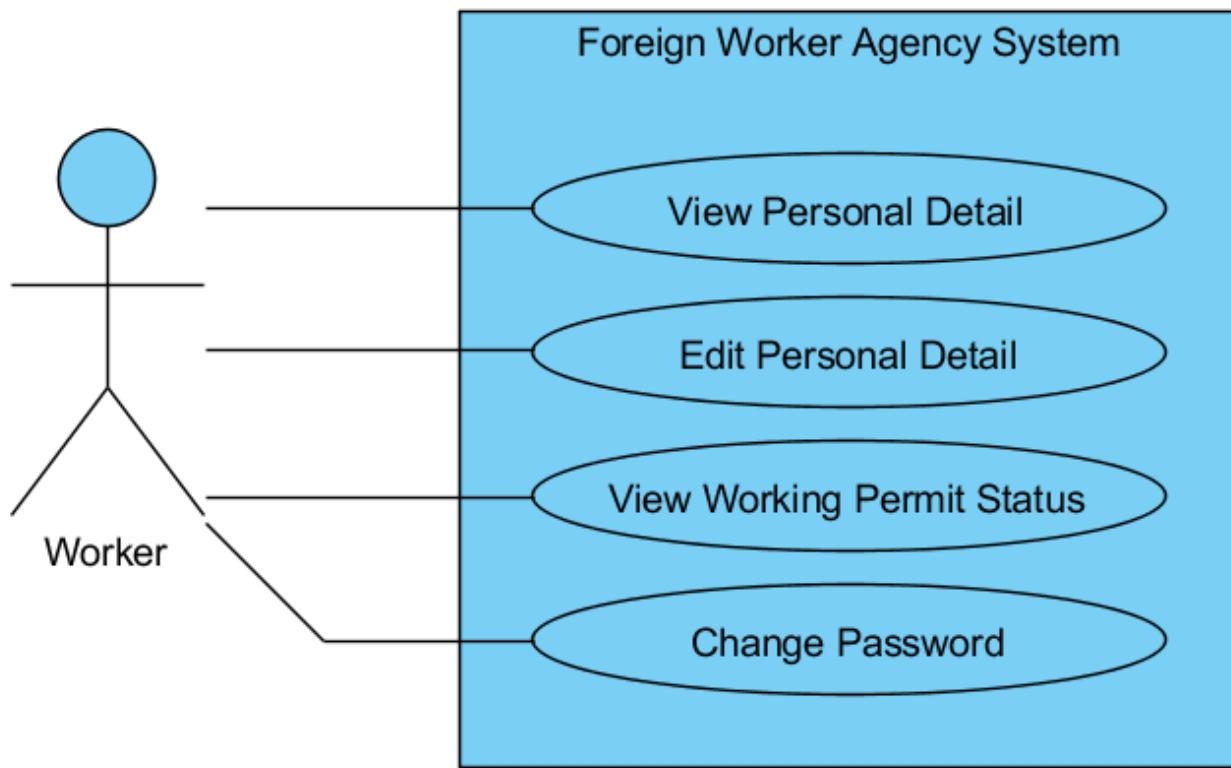
Actor	Use Case
Worker	View Personal Detail
	Edit Personal Detail
	View Working Permit Status
	Change Password
Company	Apply Permit
	Insert Worker Detail
	Update Worker Detail
	Delete Worker Detail
	View Worker Detail
	Check Permit Status
	Renew Permit
	Change Password
Agency Staff	Add Company
	Add Worker
	Update Company Detail
	Update Worker Detail
	View Company Detail
	View Worker Detail
	Check Permit Status
	Renew Permit
	Change Password
Agency Manager	Approve Permit
	Check Company Information
	Check Worker Information
	Change Password

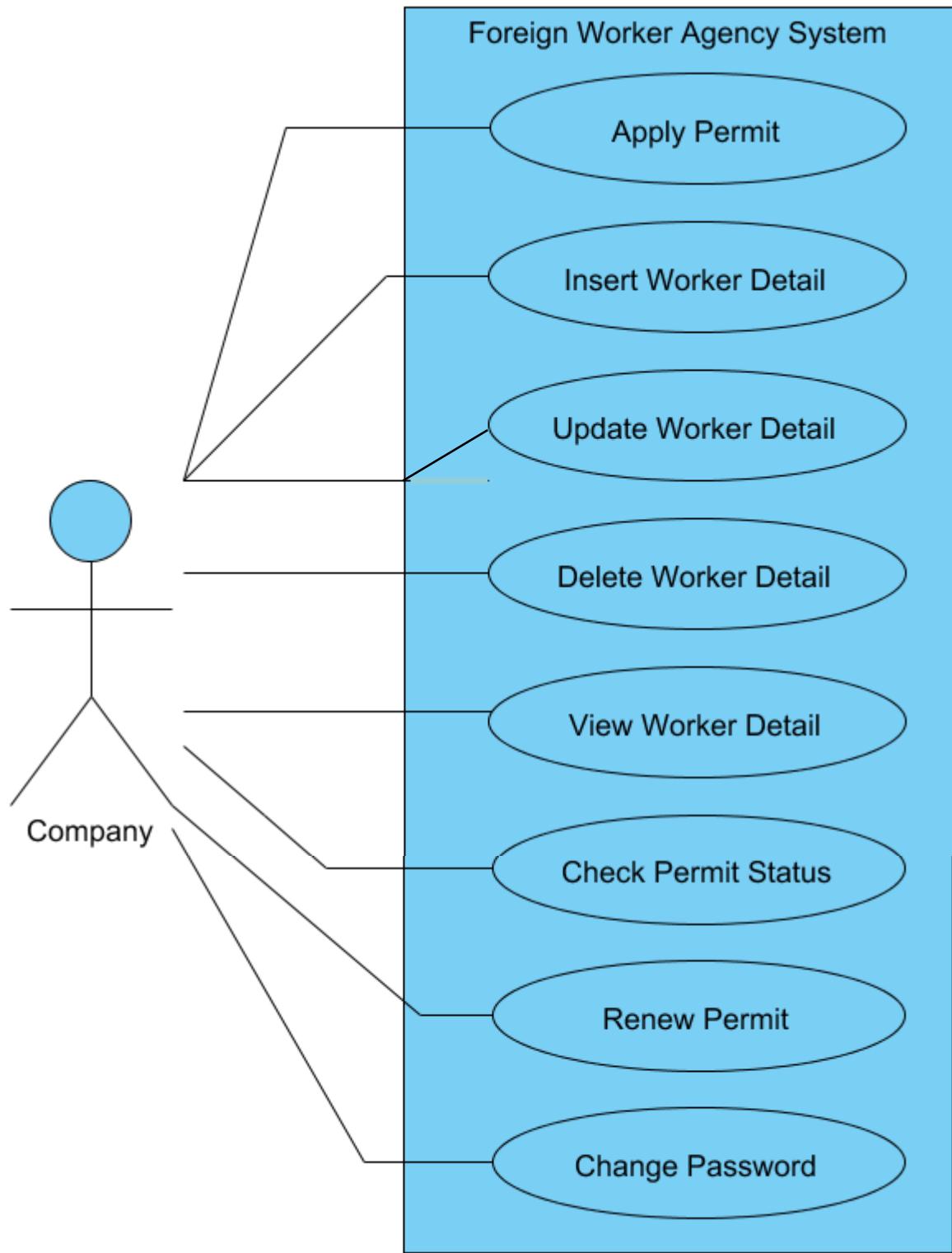
2.3 Assumptions and Dependencies

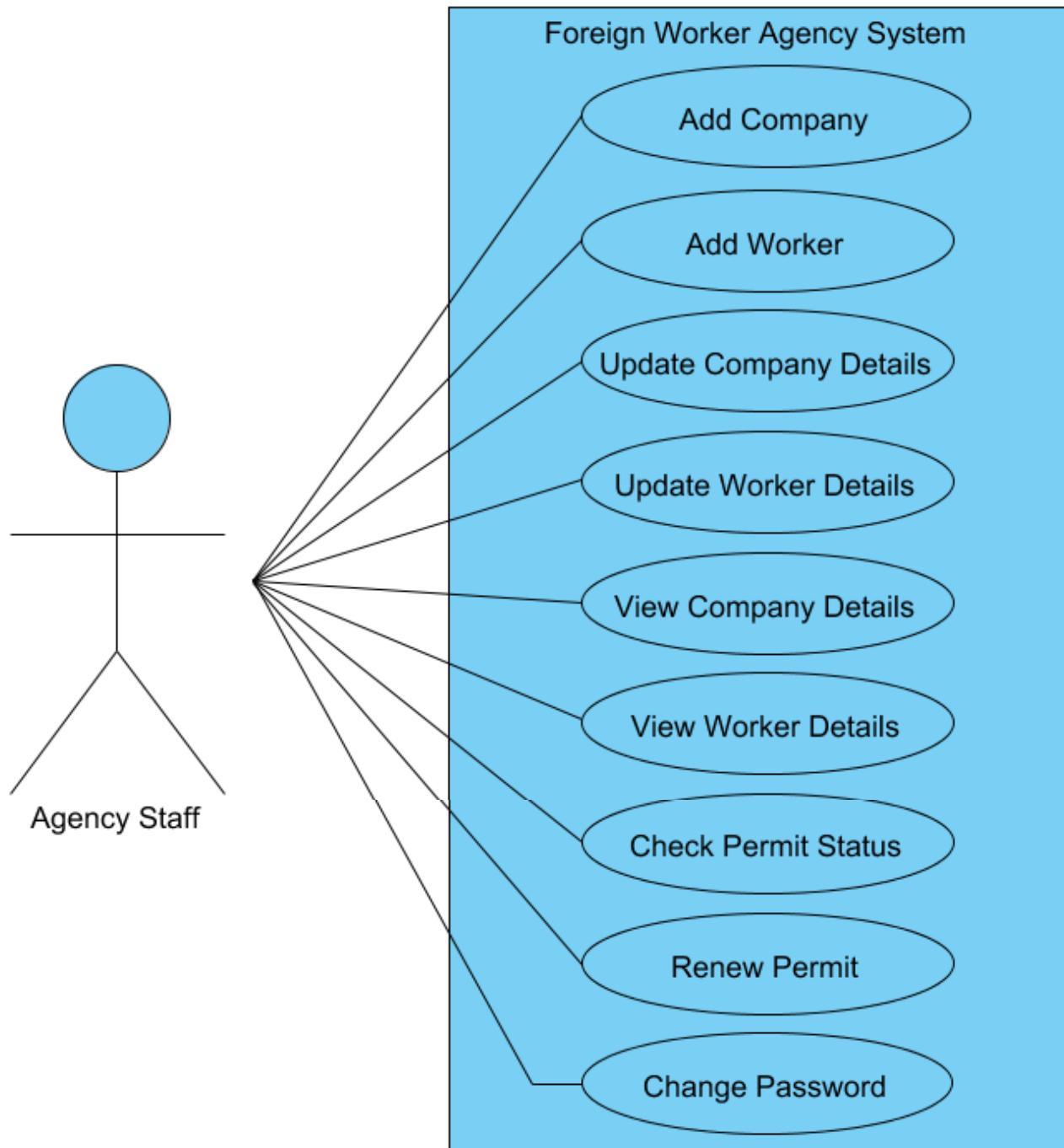
<List any assumed factors (as opposed to known facts) that could affect the requirements stated in the SRS. These could include third-party or commercial components that you plan to use, issues around the development or operating environment, or constraints. The project could be affected if these assumptions are incorrect, are not shared, or change. Also identify any dependencies the project has on external factors, such as software components that you intend to reuse from another project.

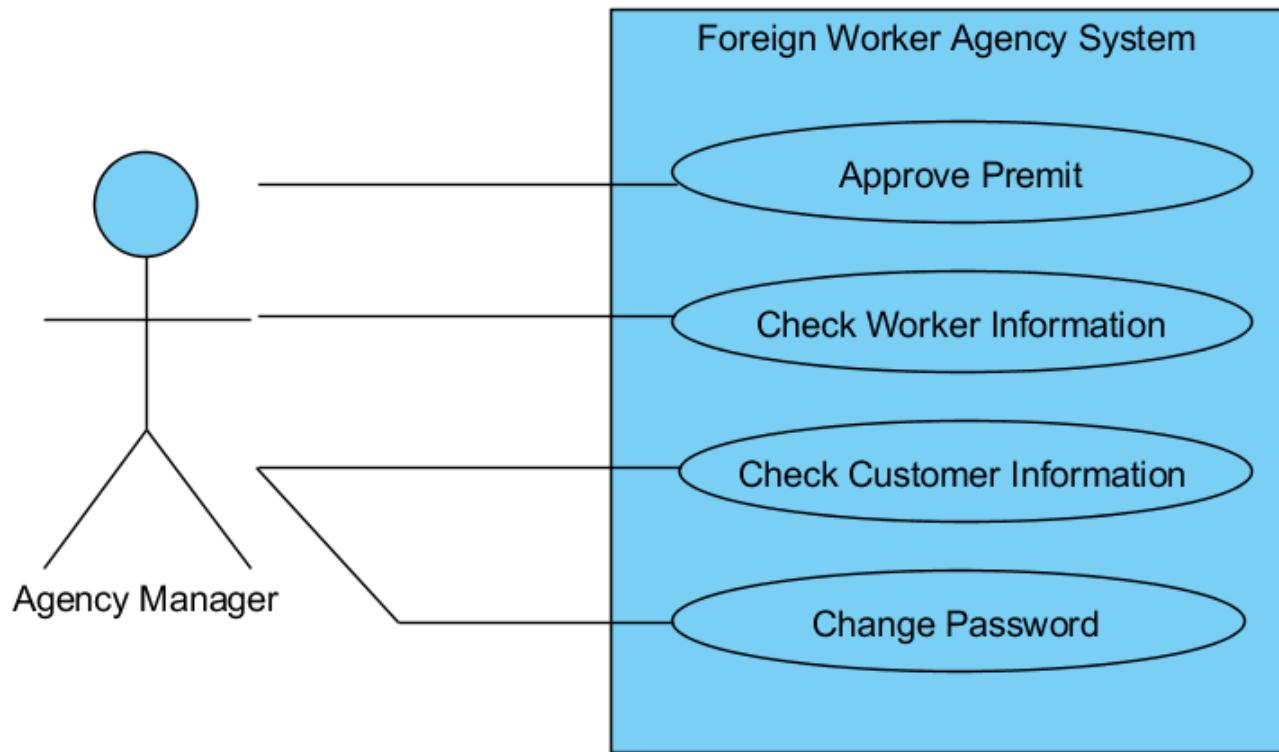
TO DO: Provide a short list of some major assumptions that might significantly affect your design. For example, you can assume that your client will have 1, 2 or at most 50 Automated Banking Machines. Every number has a significant effect on the design of your system. >

2.4 Use Case Diagram







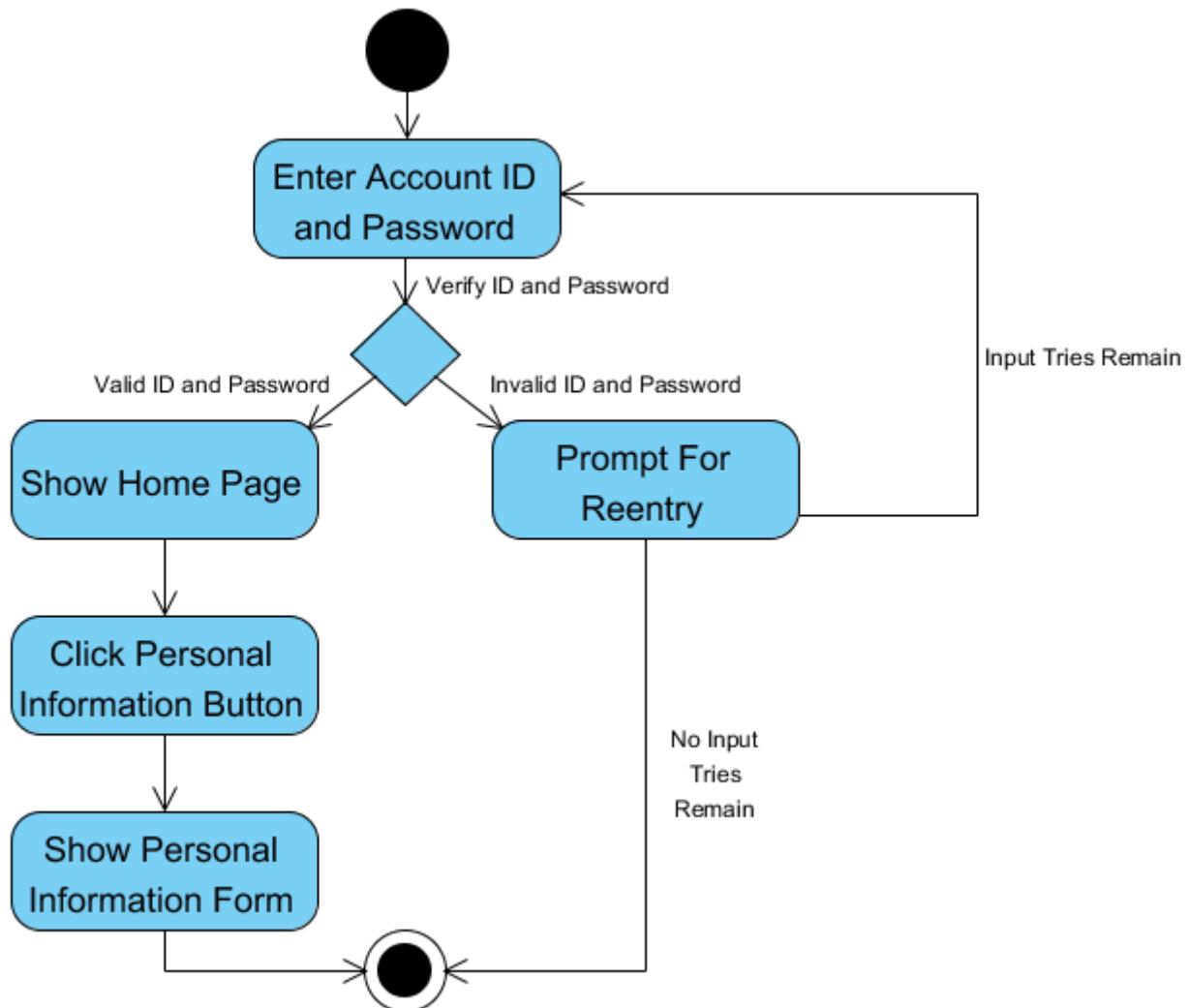


3 Basic Requirements

3.1 Worker

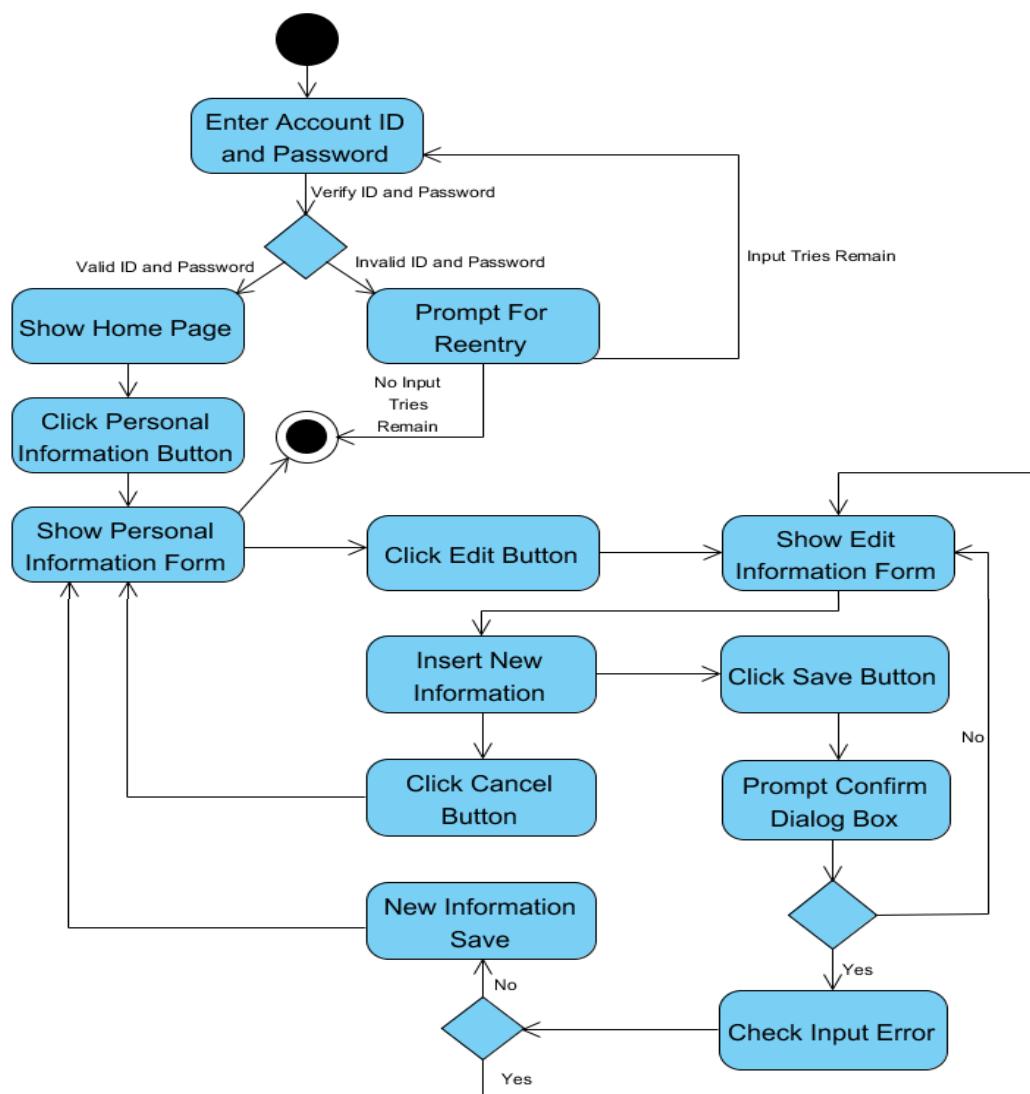
3.1.1 View Personal Detail

Worker will enter ID and Password into system. The system will retrieve data from database and comparing the ID and Password. If ID and Password correct, then system show home page. If incorrect, system back to login. Worker select view personal detail function to view their personal detail. System will retrieve data from database and display the data in the personal detail form.



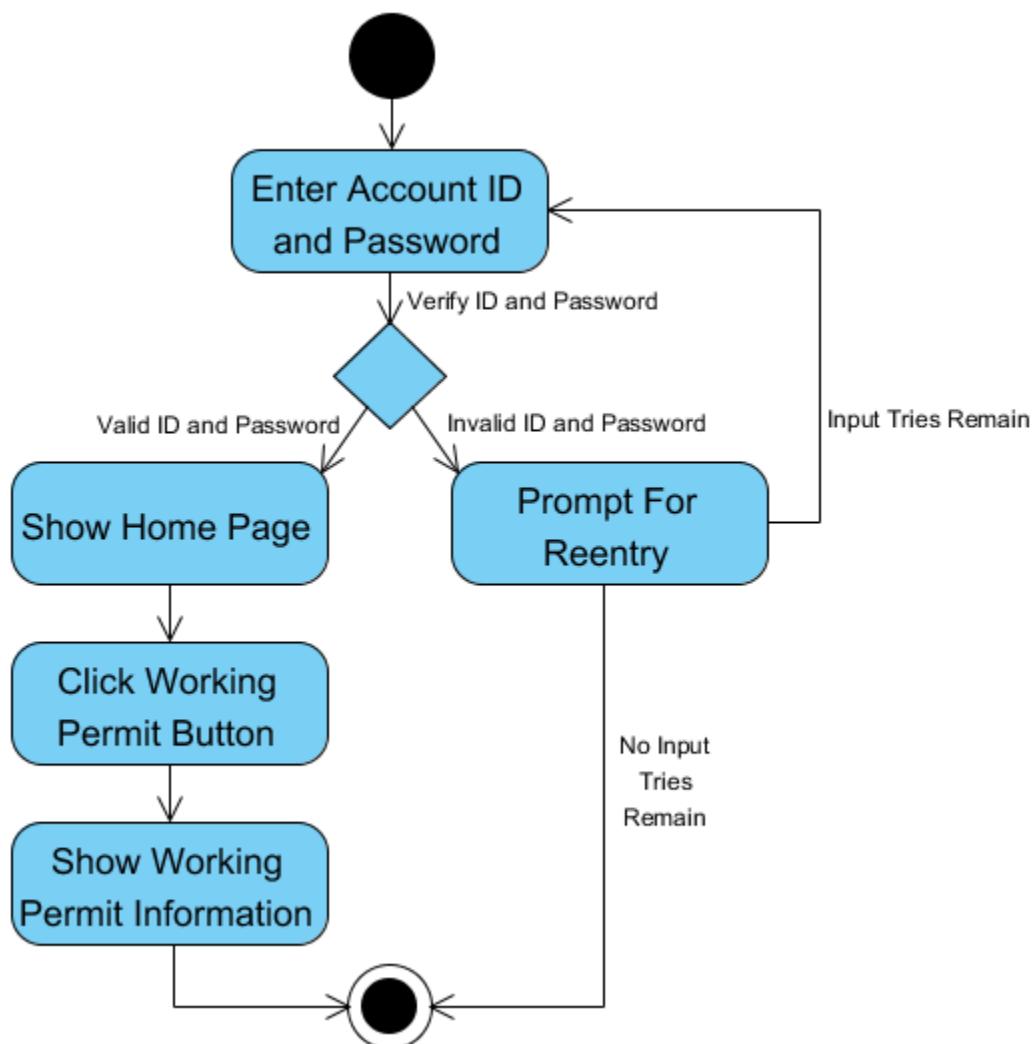
3.1.2 Edit Personal Detail

Worker will enter ID and Password into system. The system will retrieve data from database and comparing the ID and Password. If ID and Password correct, then system show home page. If incorrect, system back to login. Worker select view personal detail function to view their personal detail. System will retrieve data from database and display the data in the personal detail form. Worker also can select edit personal detail function to update their personal detail. Worker can enter new personal detail and select save button to update. System will prompt confirm message, worker can either select yes or no. If yes ,then system will check the entered detail which cant not to be empty value and wrong input format. If no, then the system will back to the edit state. After checking, if no any input error, then system will update the record in the database.



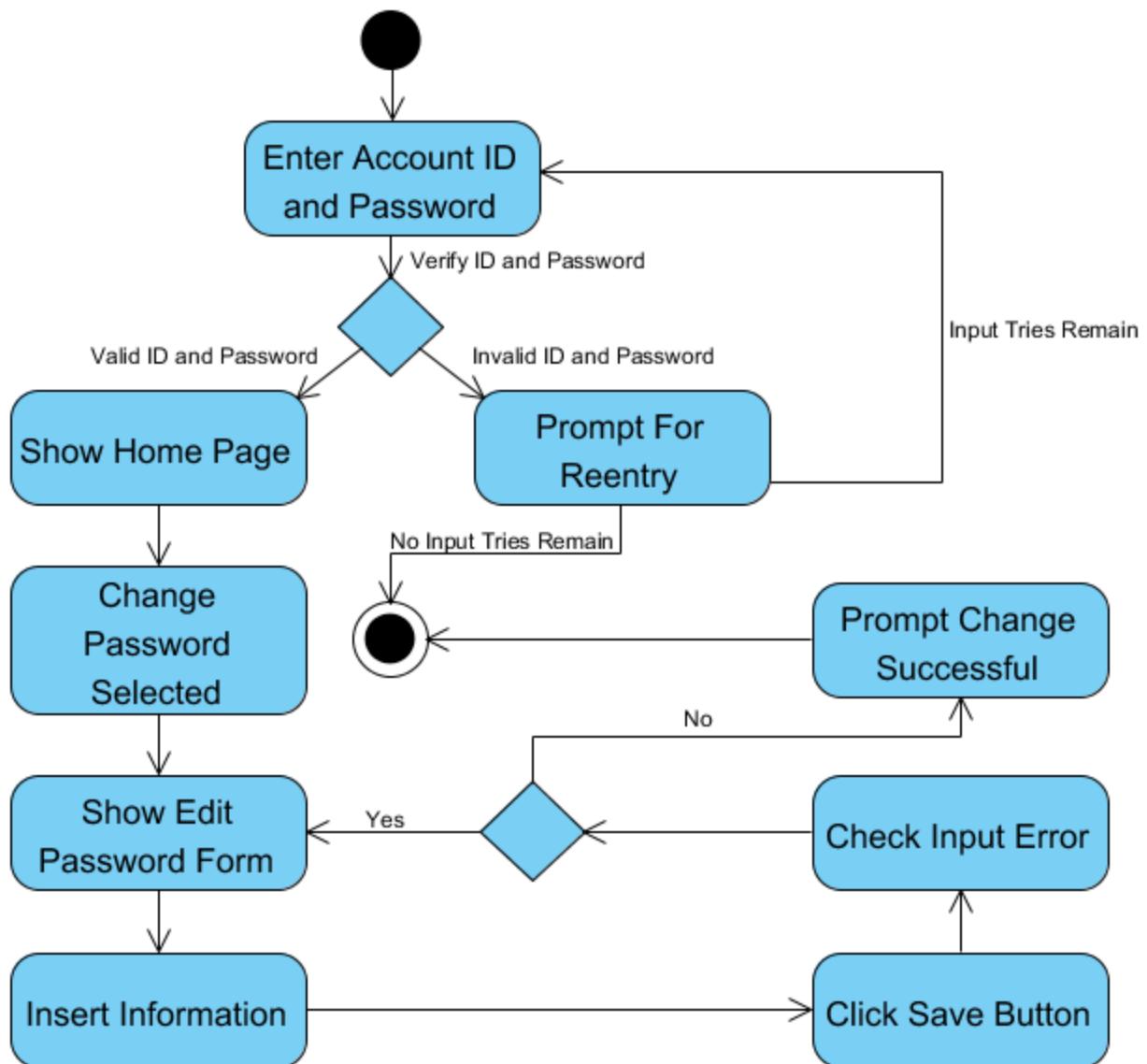
3.1.3 View Working Permit Status

Worker will enter ID and Password into system. The system will retrieve data from database and comparing the ID and Password. If ID and Password correct, then system show home page. If incorrect, system back to login. Worker can select view working permit status function to view their working permit status. System will retrieve data from database and display the data in the working permit form.



3.1.4 Change Password

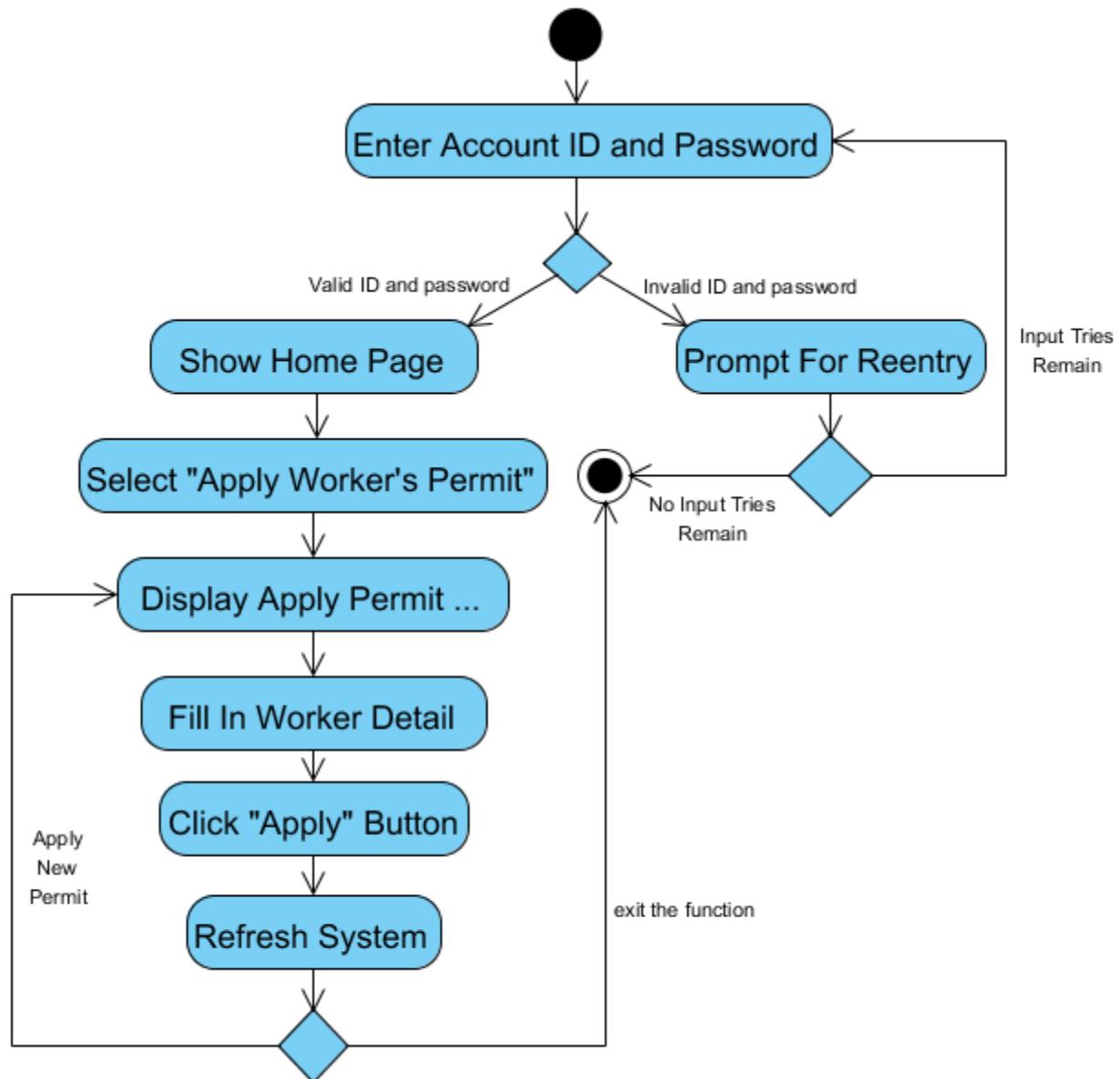
Worker will enter ID and Password into system. The system will retrieve data from database and comparing the ID and Password. If ID and Password correct, then system show home page. If incorrect, system back to login. Worker can select Change Password function to change the old password. Worker insert the old ,new password ,and confirm password. The system will check and save into database without input error.



3.2 Company

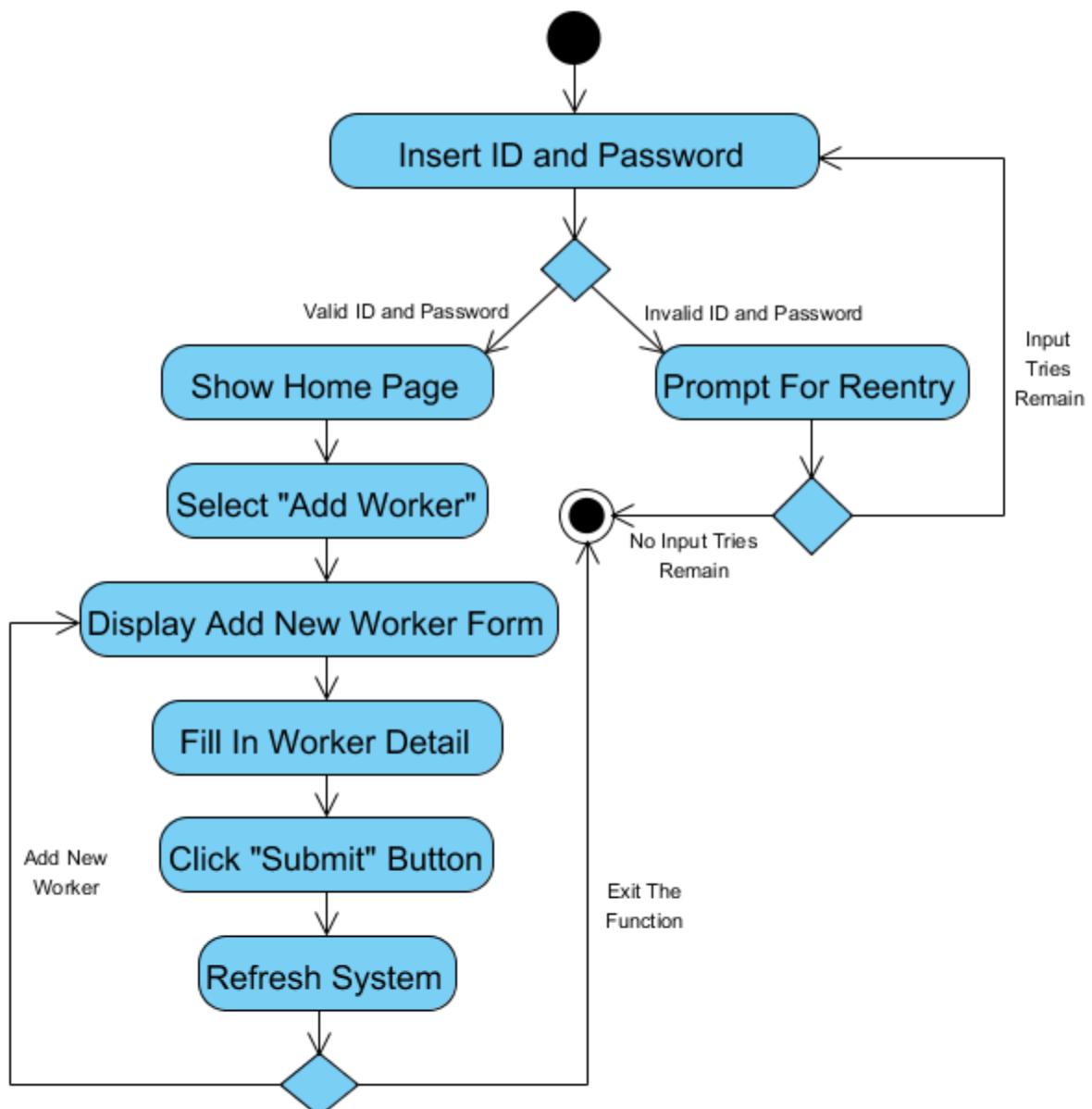
3.2.1 Apply Permit

Company will enter the ID and password. System will retrieve data from database and comparing the ID and password. If the ID and password are not matching, system will return to login page. If the compare ID and password is correct, system will show the home page. Company select the apply permit function that can help worker apply permit. System will retrieve the worker details from database and show in the worker permit form. Company fill in the worker's passport details and click the apply button. System insert the details into database and the permit status is pending.



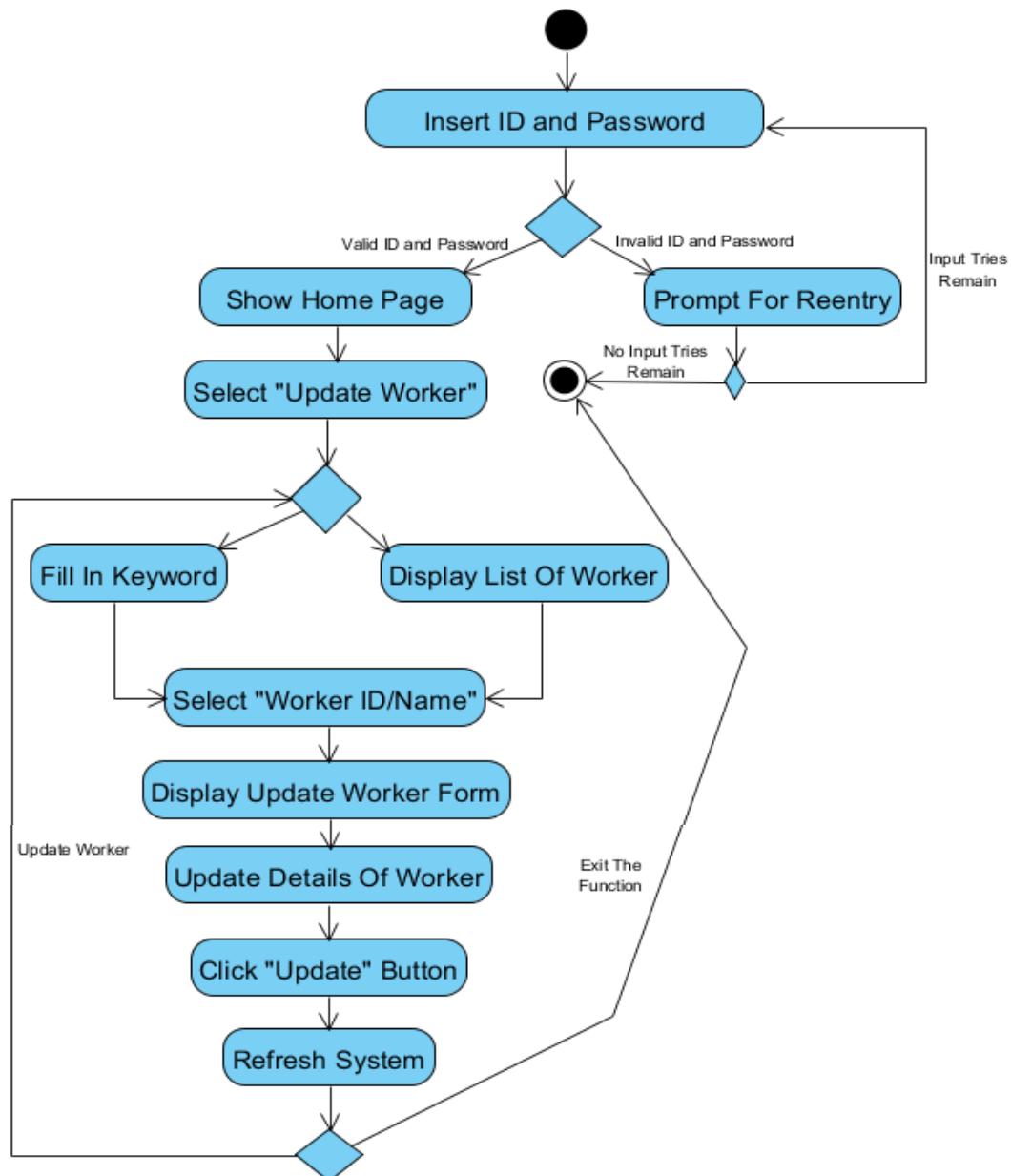
3.2.2 Insert Worker Detail

Company will enter the ID and password. System will retrieve data from database and comparing the ID and password. If the ID and password are not matching, system will return to login page. If the compare ID and password is correct, system will show the home page. Company select add worker detail function to add worker personal details into database and the system will detect that the worker is applied by the company just login.



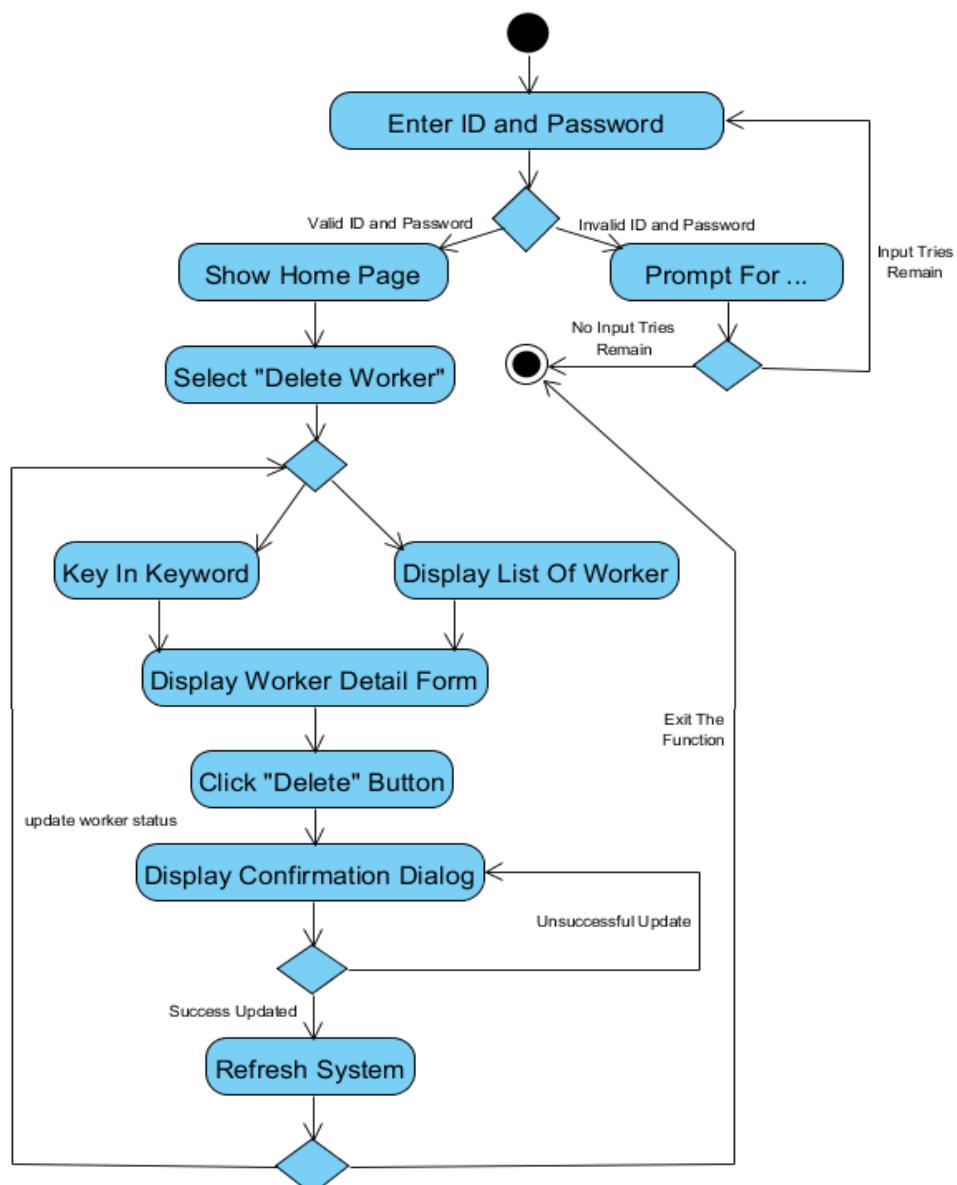
3.2.3 Update Worker Detail

Company will enter the ID and password. System will retrieve data from database and comparing the ID and password. If the ID and password are not matching, system will return to login page. If the compare ID and password is correct, system will show the home page. Company can select update worker function to edit worker personal details. System will retrieve data from database and show the worker personal details form and company select the edit button to starting edit the details and click the update button to complete the update details. System will prompt out the confirmation dialog box, company can select yes then the details update into database.



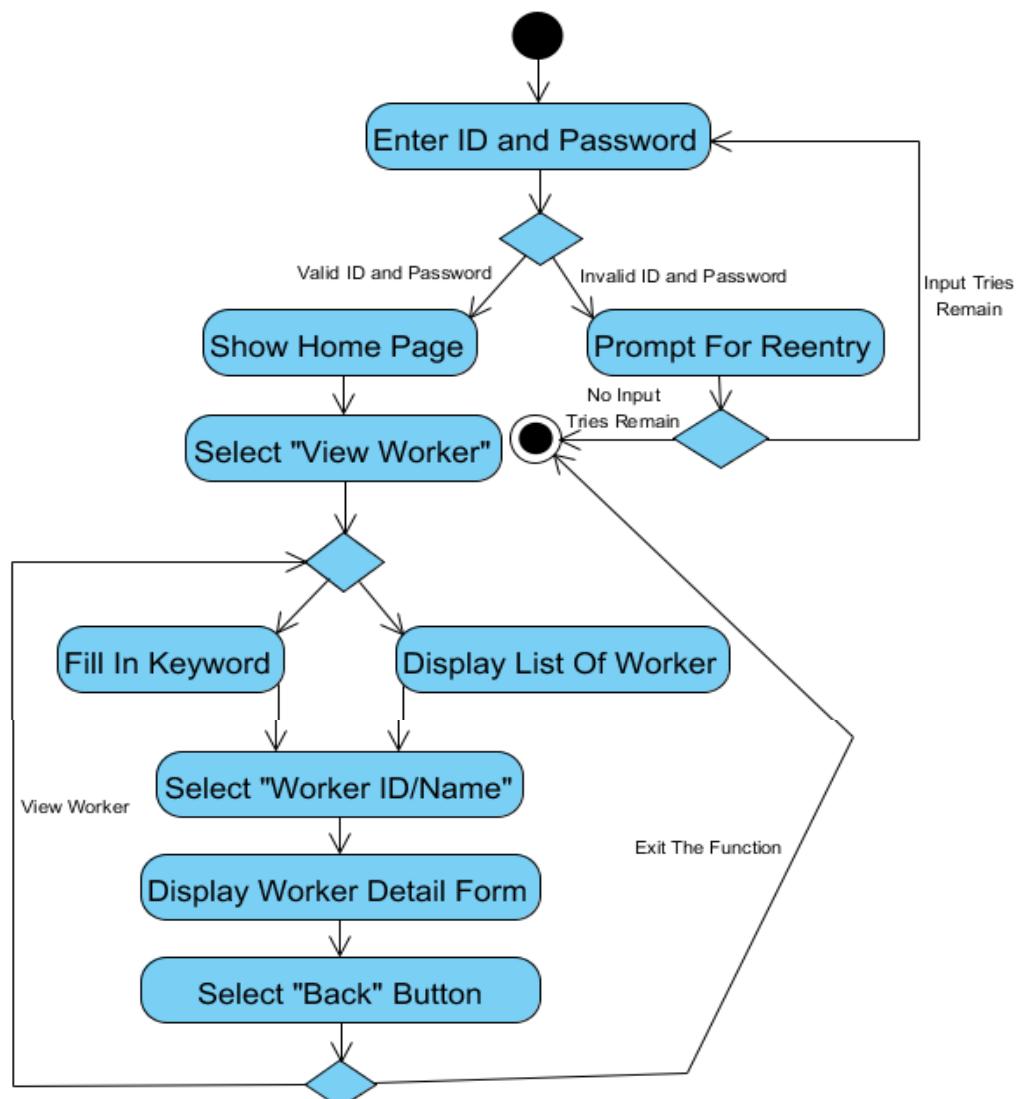
3.2.4 Delete Worker Detail

Company will enter the ID and password. System will retrieve data from database and comparing the ID and password. If the ID and password are not matching, system will return to login page. If the compare ID and password is correct, system will show the home page. Company can select the delete worker function in home page. Company enter the worker username and request to database to search the worker. Database retrieve the worker details and system show the worker details form, and company click delete button system prompt out the confirmation dialog box. Company select yes to update the worker status become resignation.



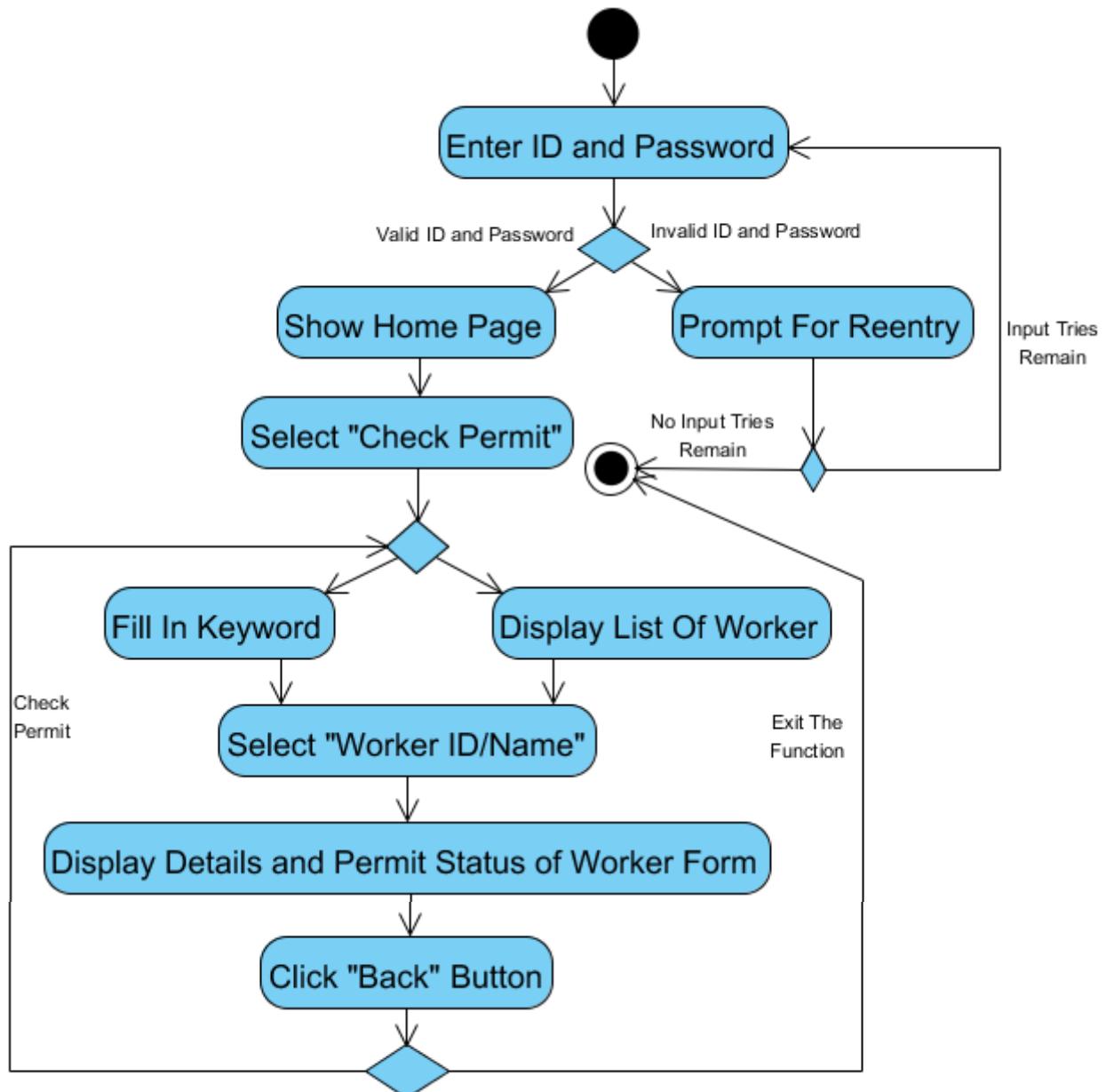
3.2.5 View Worker Detail

Company will enter the ID and password. System will retrieve data from database and comparing the ID and password. If the ID and password are not matching, system will return to login page. If the compare ID and password is correct, system will show the home page. Company select the view worker function to view the worker personal details. System will retrieve data from database and display the details in worker list. Company also can key in worker id to let system search the particular worker. Company can select the particular worker id in the worker list. System will retrieve data from database and display the details in worker detail form.



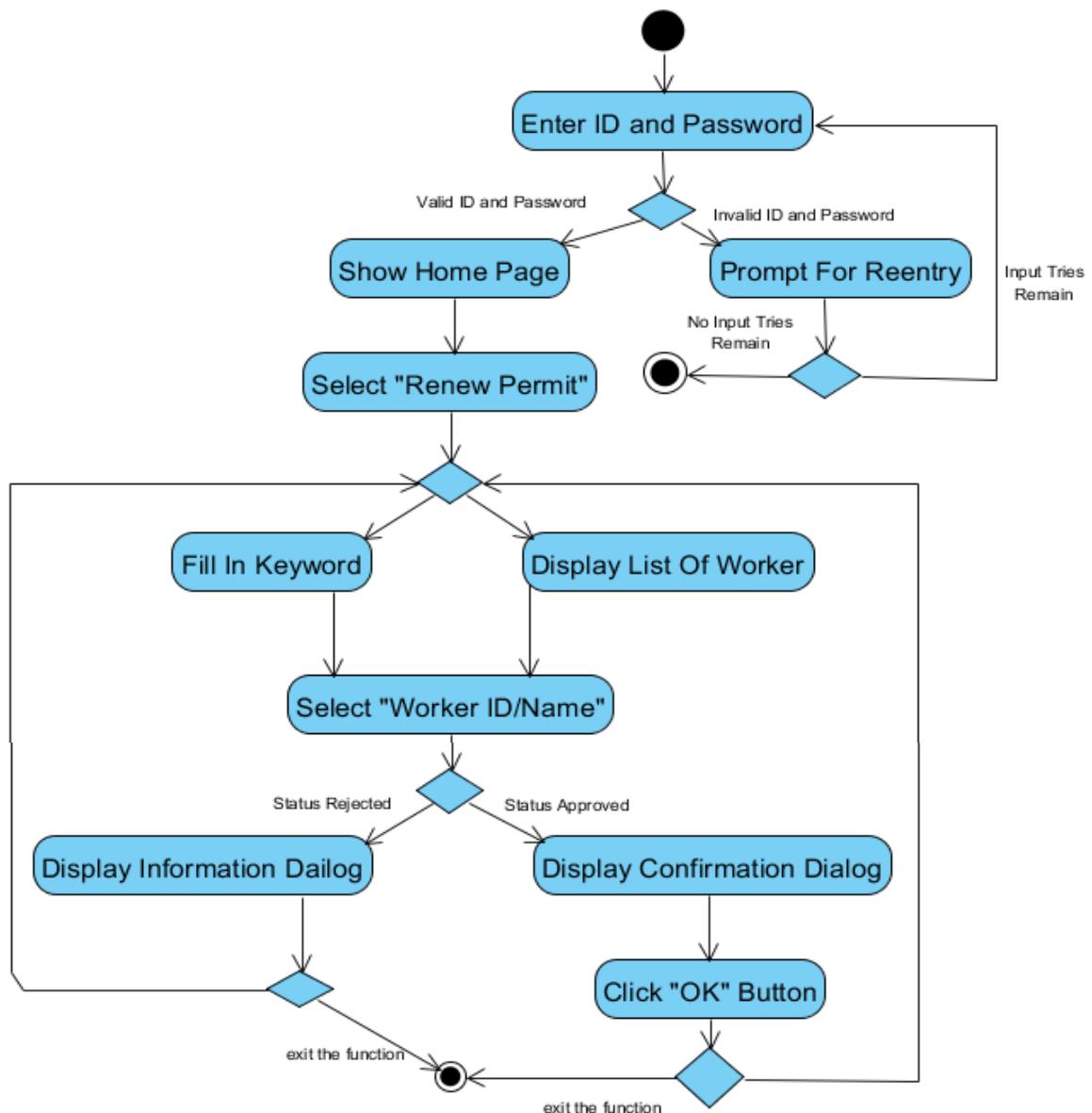
3.2.6 Check Permit Status

Company will enter the ID and password. System will retrieve data from database and comparing the ID and password. If the ID and password are not matching, system will return to login page. If the compare ID and password is correct, system will show the home page. Company select the check permit to check the permit status. System will retrieve the details from database.



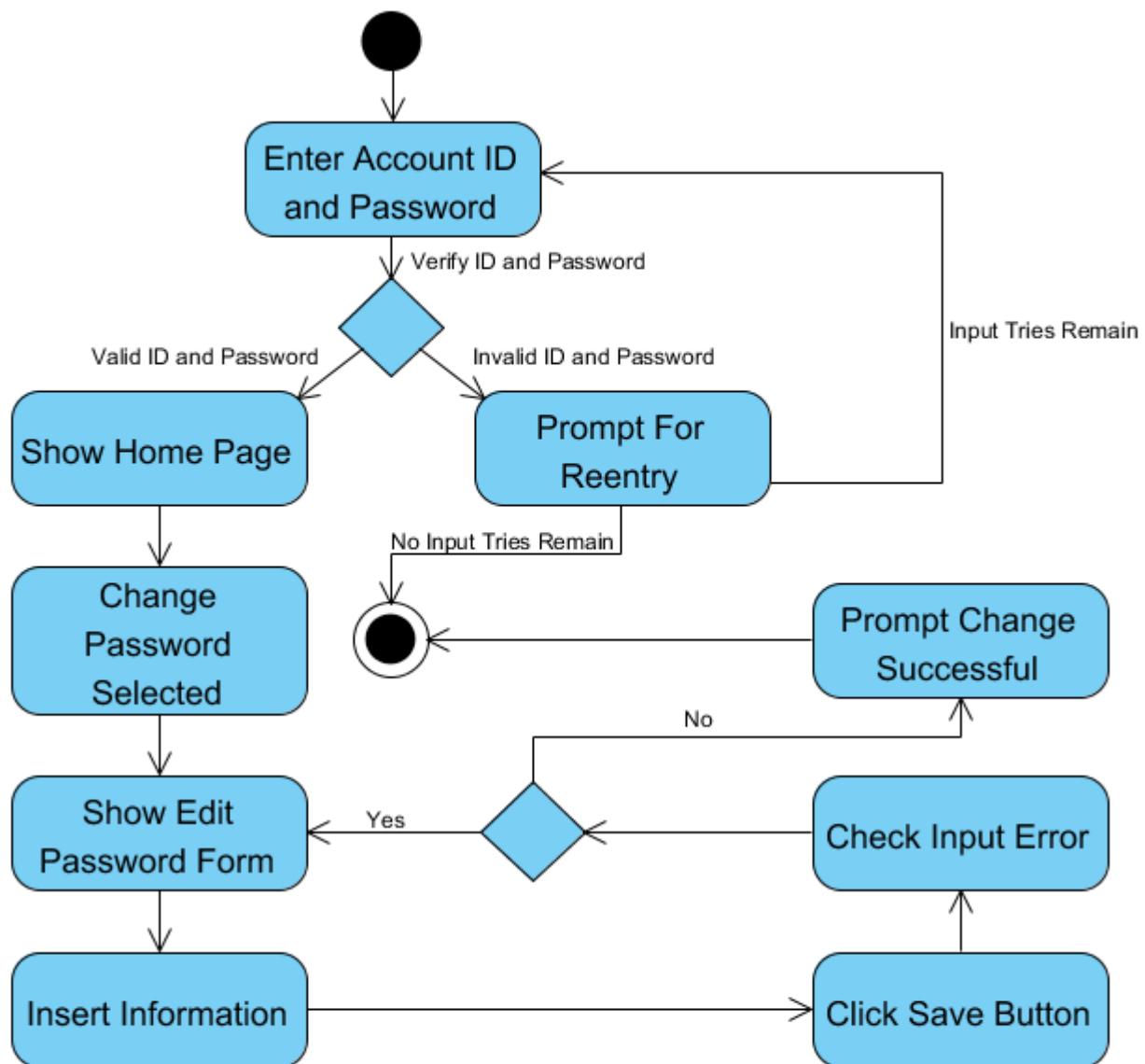
3.2.7 Renew Permit

Company will enter the ID and password. System will retrieve data from database and comparing the ID and password. If the ID and password are not matching, system will return to login page. If the compare ID and password is correct, system will show the home page. If the status is expired, company can click the renew button to renew permit. After renew permit, the system update the data into database and system show that status is pending.



3.2.8 Change Password

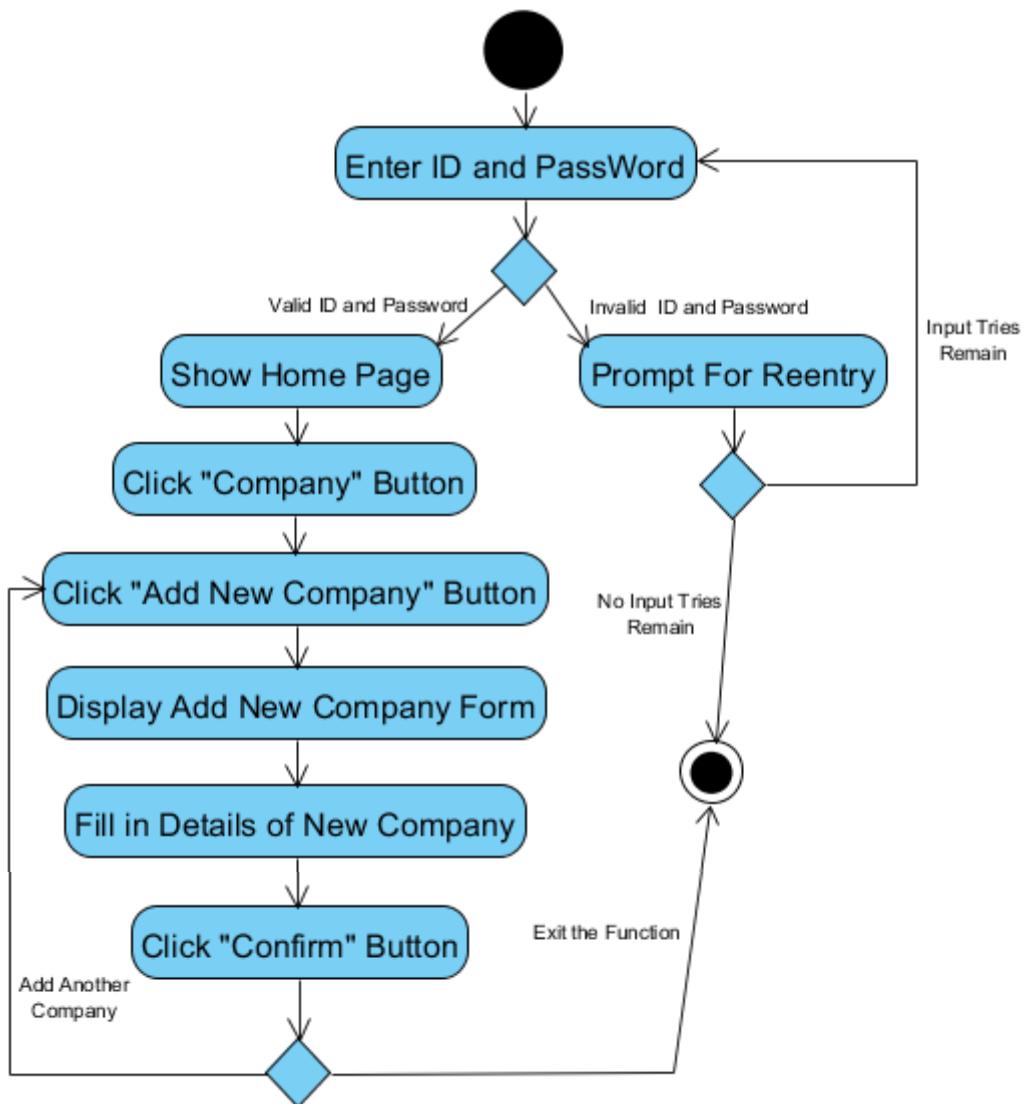
Company will enter ID and Password into system. The system will retrieve data from database and comparing the ID and Password. If ID and Password correct, then system show home page. If incorrect, system back to login. Company can select Change Password function to change the old password. Company insert the old ,new password ,and confirm password. The system will check and save into database without input error.



3.3 Staff

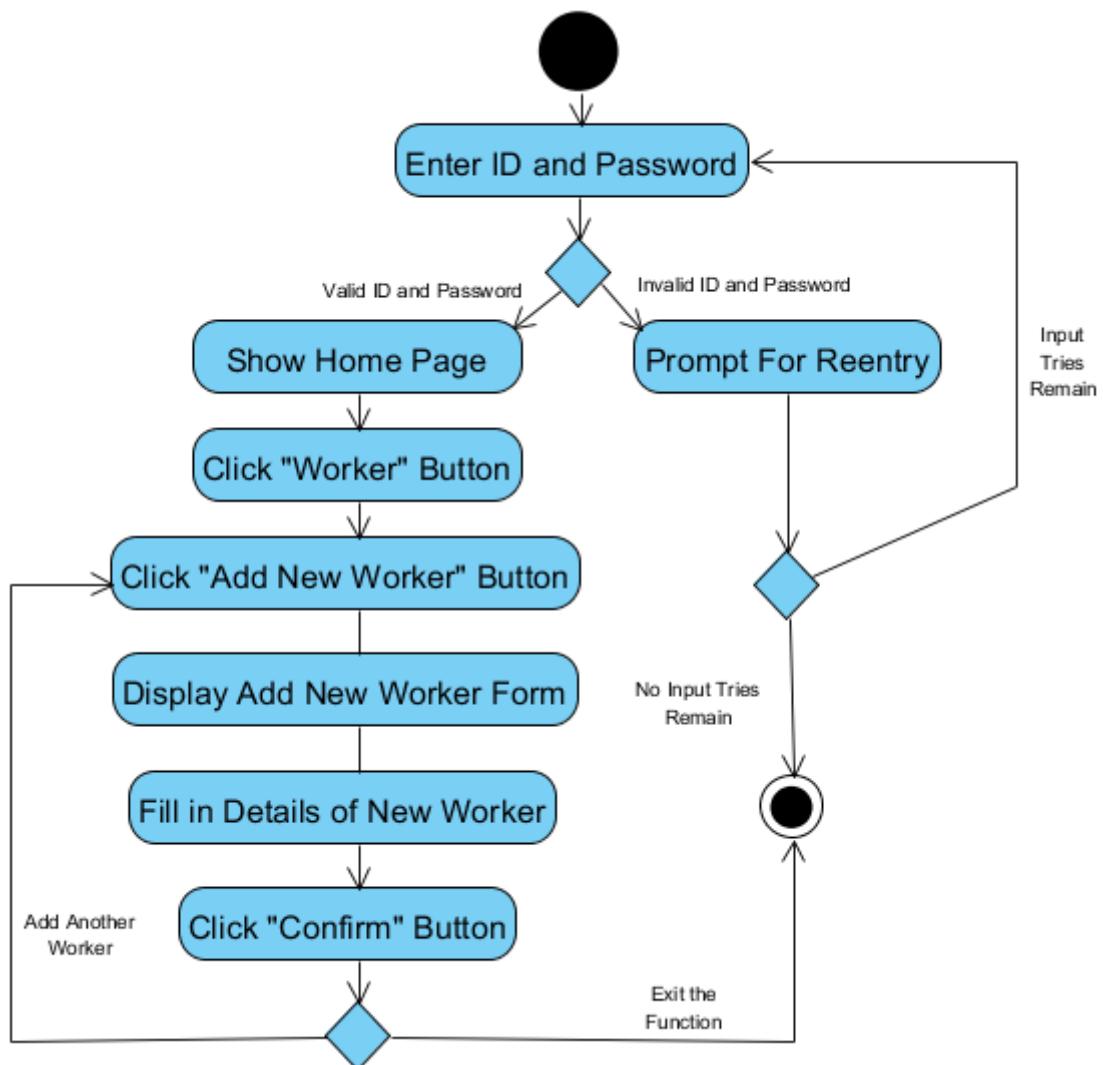
3.3.1 Add Company

Staff will enter ID and Password into system. The system will retrieve data from database and comparing the ID and Password. If ID and Password correct, then system show home page. If incorrect, system back to login. Staff select add company to add a new company. System display add new company form. Staff fill in their detail. Click Confirm to save the data. System will save the data into database.



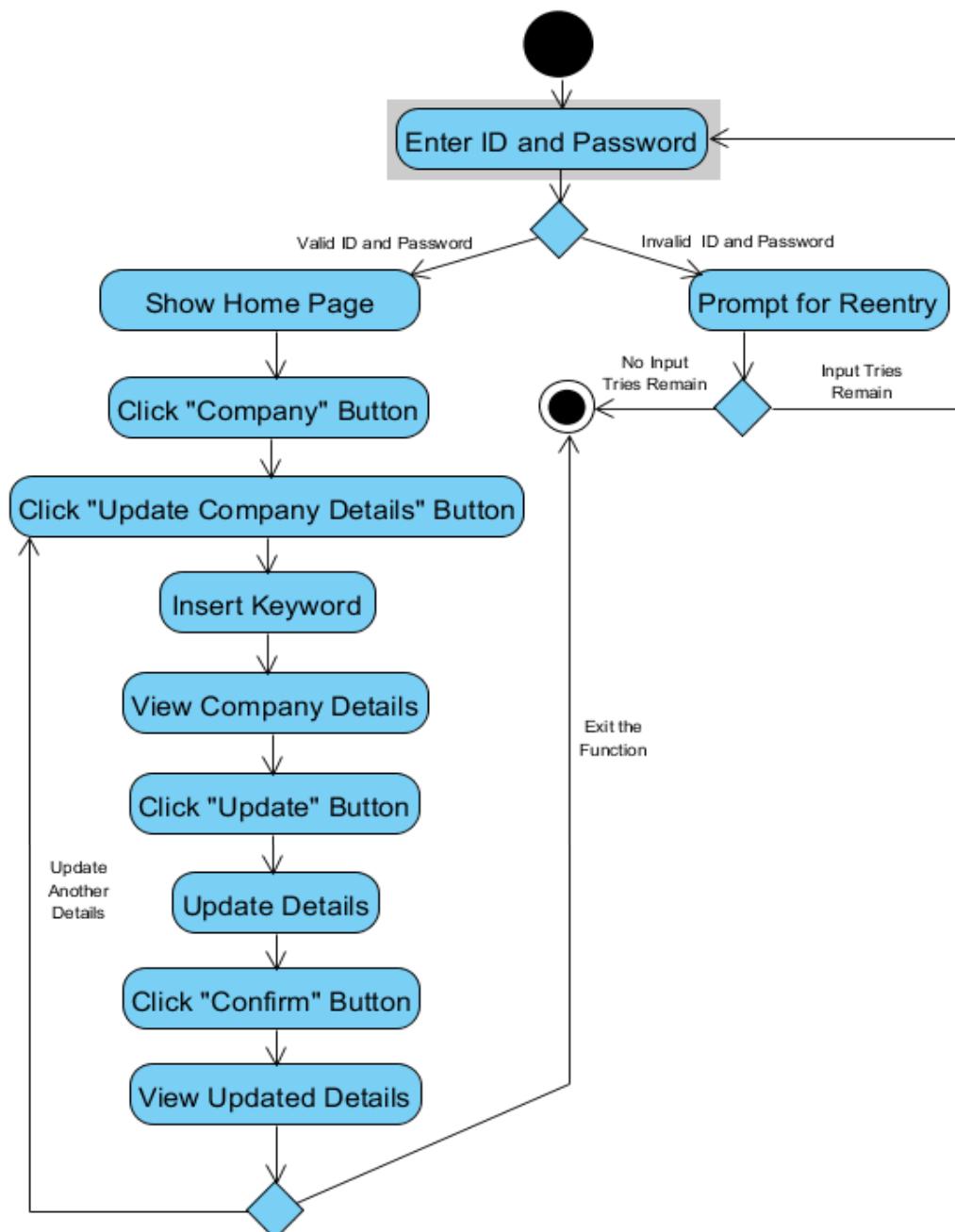
3.3.2 Add Worker

Staff will enter ID and Password into system. The system will retrieve data from database and comparing the ID and Password. If ID and Password correct, then system show home page. If incorrect, system back to login. Staff select add worker to add a new worker. System will display add new worker form. Staff fill in the form and click confirm button to save data. System will save data into to database.



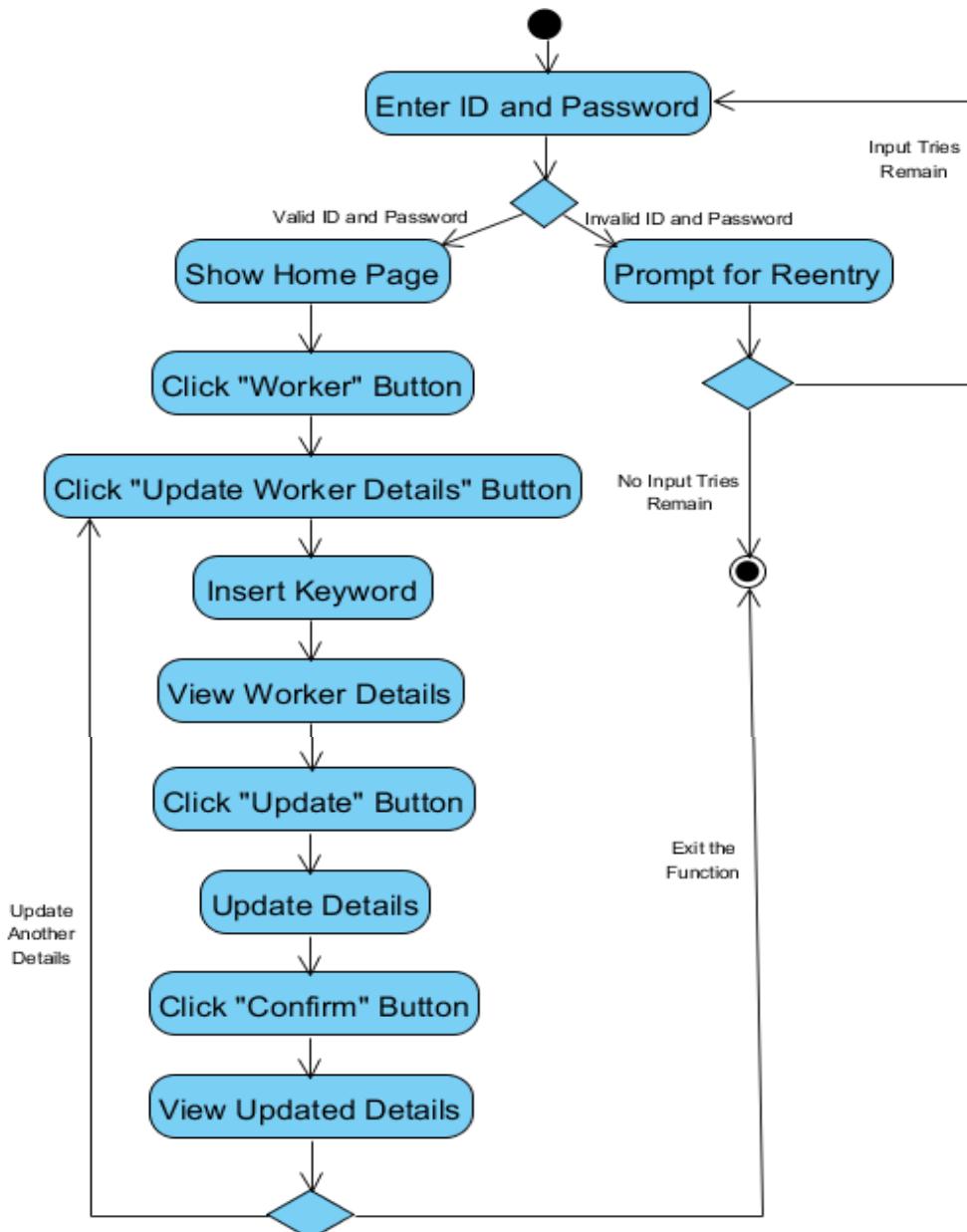
3.3.3 Update Company Detail

Staff will enter ID and Password into system. The system will retrieve data from database and comparing the ID and Password. If ID and Password correct, then system show home page. If incorrect, system back to login. Staff also can select update company details to update the company details. Staff can enter new company and select save button to update. System will update the record in the database. After that, system will display updated details.



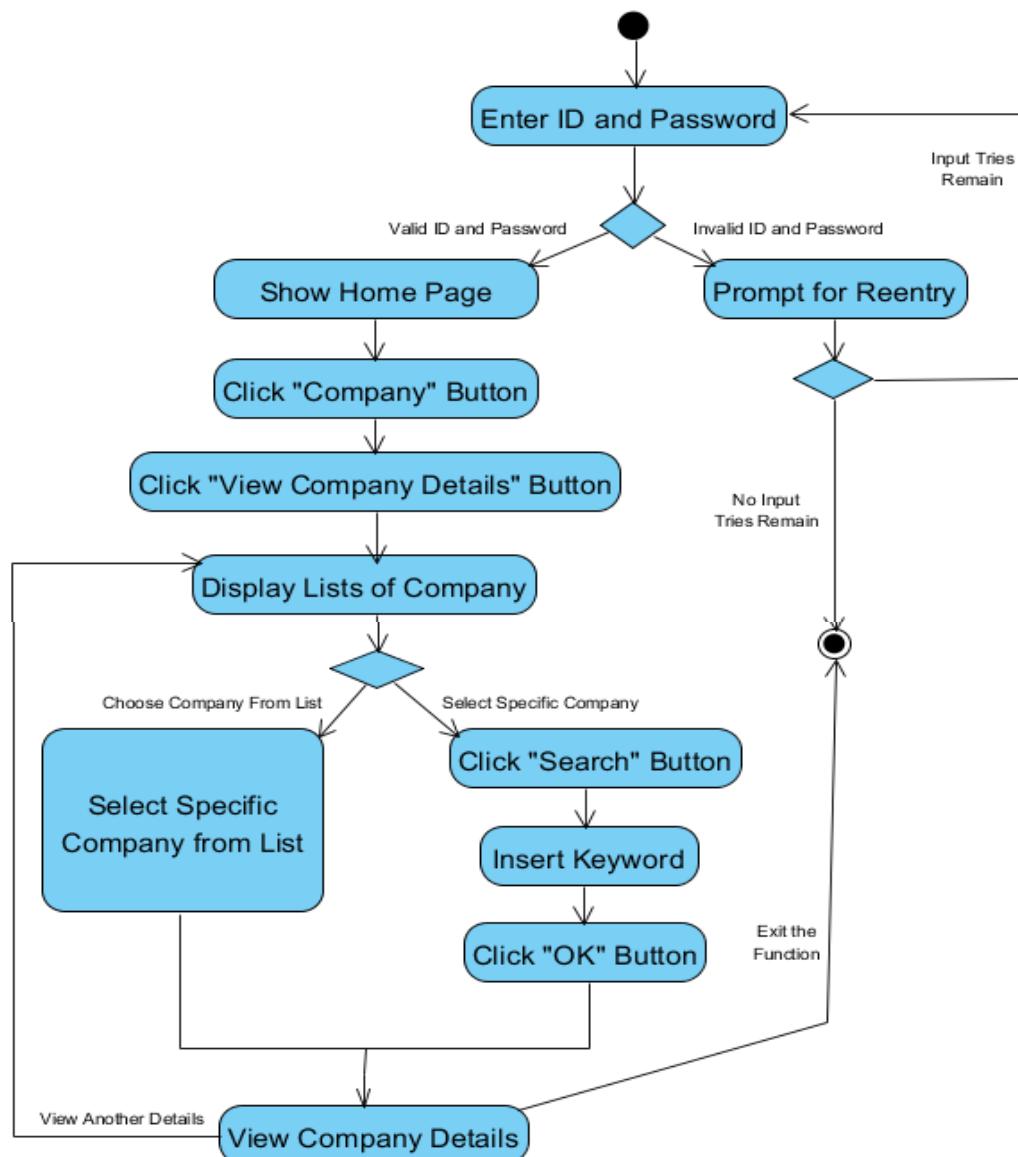
3.3.4 Update Worker Detail

Staff will enter ID and Password into system. The system will retrieve data from database and comparing the ID and Password. If ID and Password correct, then system show home page. If incorrect, system back to login. Staff can select update worker details function to update the worker details. Staff can new worker details and select save button to update. System will update the record in the database. After that, system will display updated details.



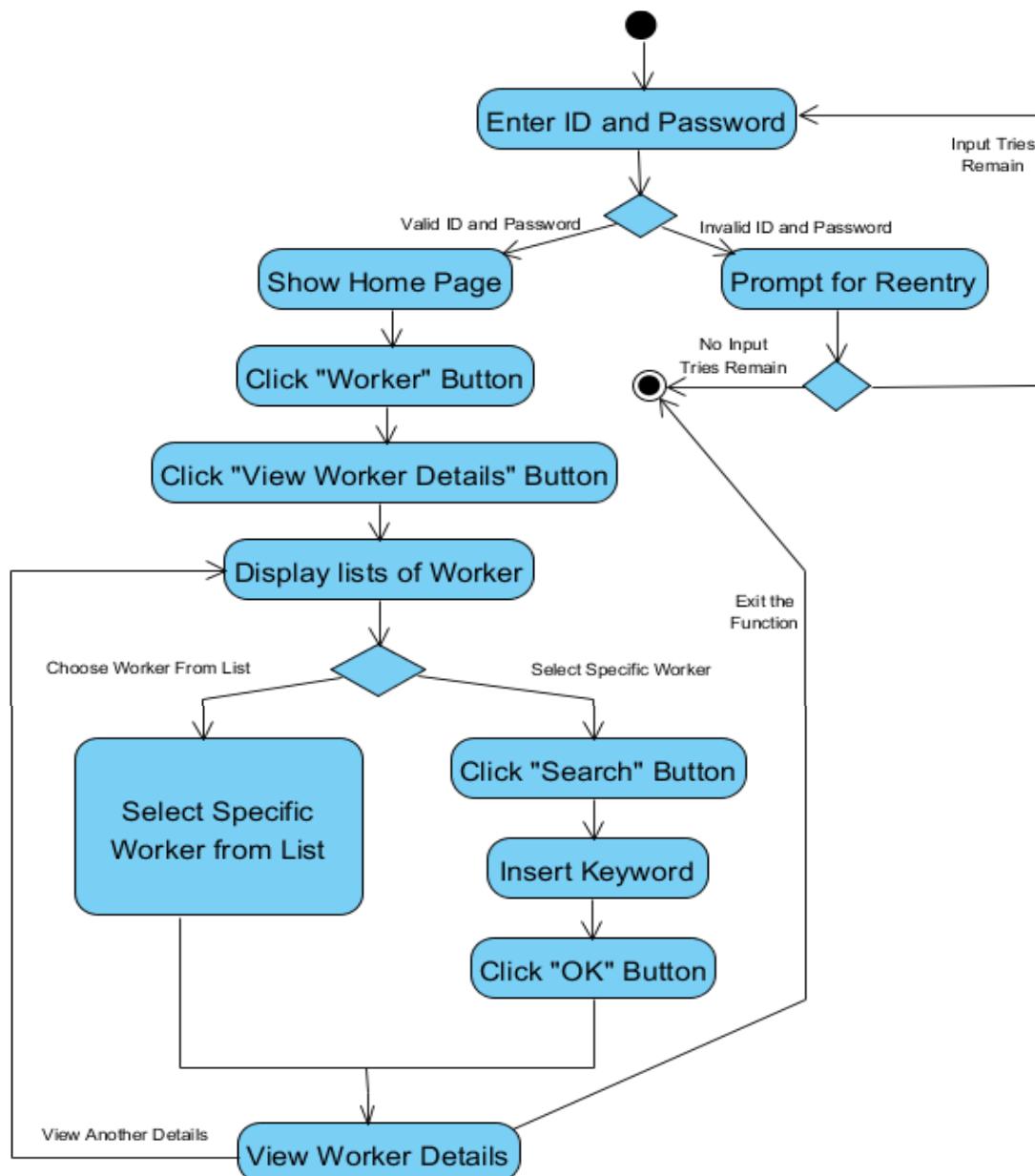
3.3.5 View Company Detail

Staff will enter ID and Password into system. The system will retrieve data from database and comparing the ID and Password. If ID and Password correct, then system show home page. If incorrect, system back to login. Staff can select view company details to view their details. System display company detail in the company list. Staff also can key in company ID to let system search the particular company detail in the company list. Staff select particular company detail in the list. System retrieve data from database and display the data in the company detail form.



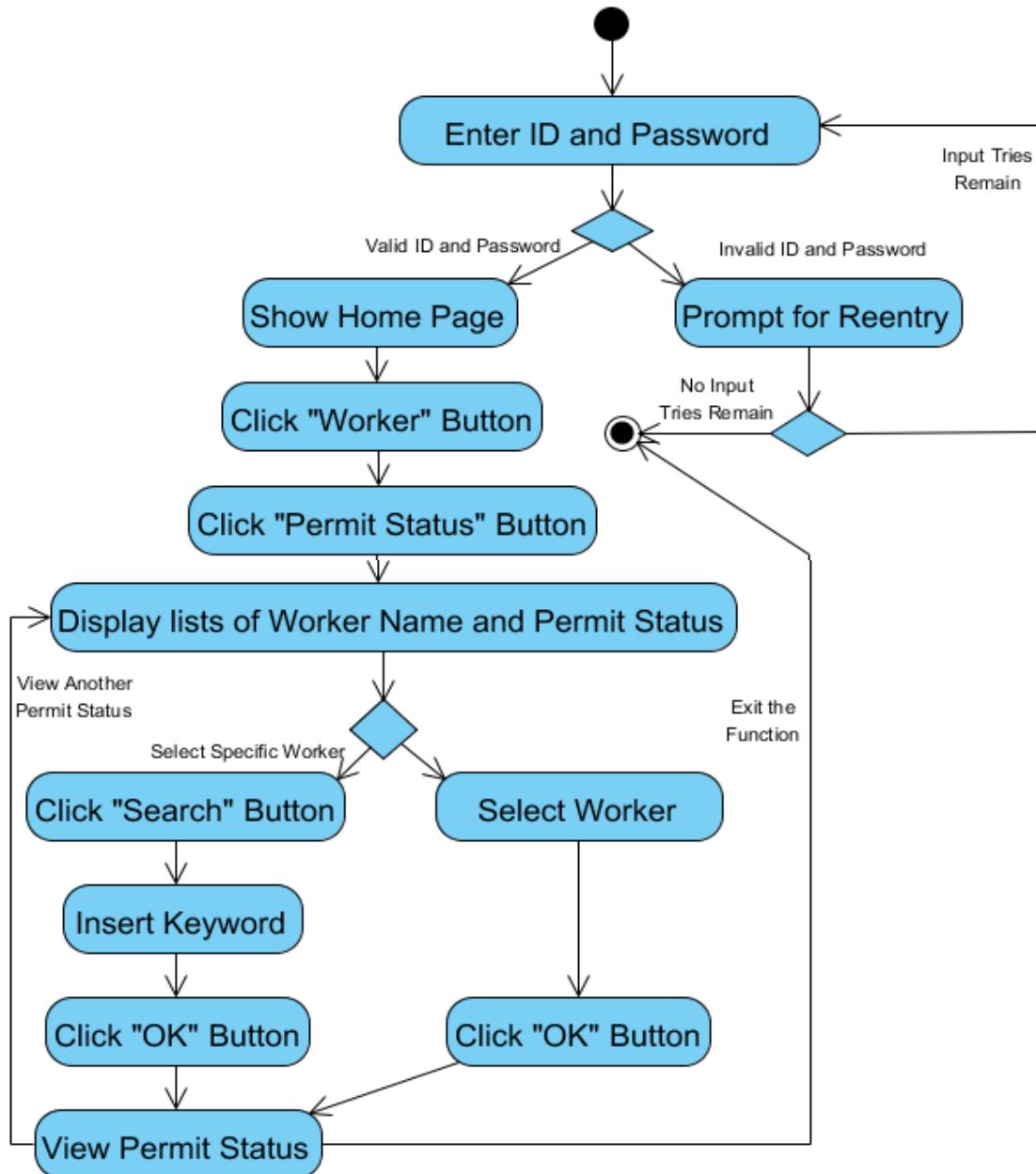
3.3.6 View Worker Detail

Staff will enter ID and Password into system. The system will retrieve data from database and comparing the ID and Password. If ID and Password correct, then system show home page. If incorrect, system back to login. Staff can select view worker details to view their details. System display worker detail in the worker list. Staff also can key in worker ID to let system search the particular worker detail in the worker list. Staff select particular worker detail in the list. System retrieve data from database and display the data in the worker detail form.



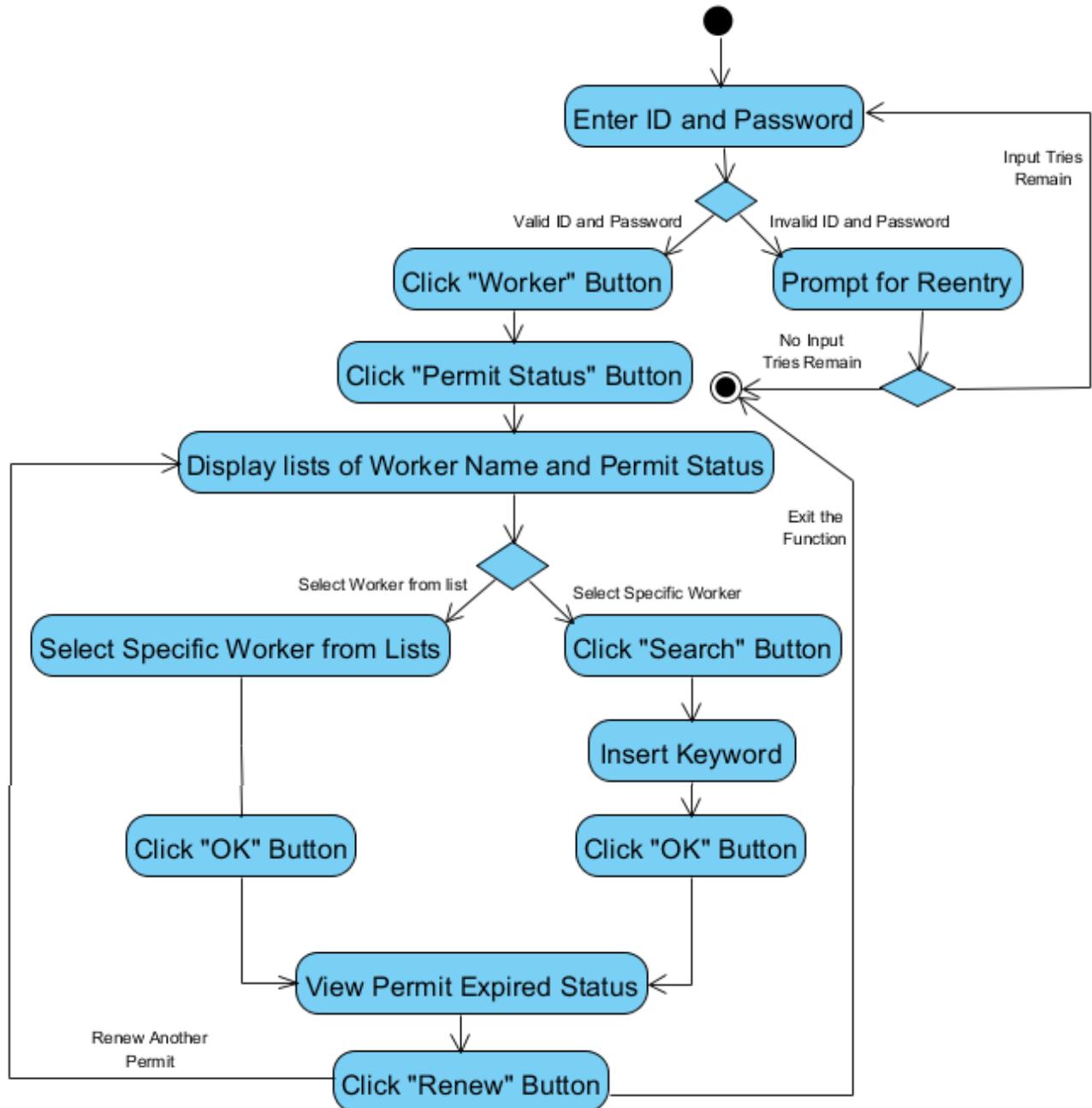
3.3.7 Check Permit Status

Staff will enter ID and Password into system. The system will retrieve data from database and comparing the ID and Password. If ID and Password correct, then system show home page. If incorrect, system back to login. Staff can check permit status function to view the working permit status. System will retrieve data from database and display the data in the working permit form.



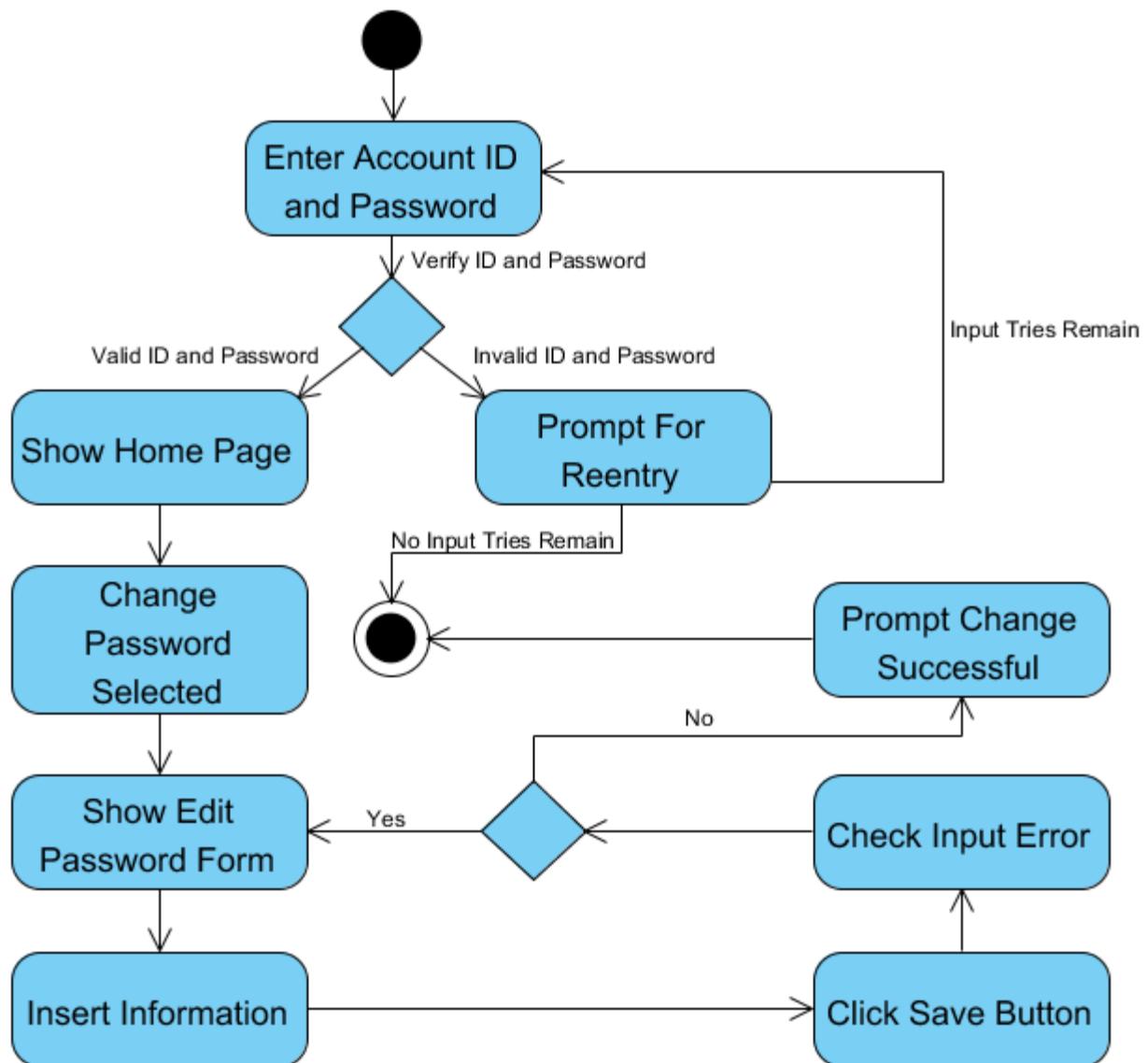
3.3.8 Renew Permit

Staff will enter ID and Password into system. The system will retrieve data from database and comparing the ID and Password. If ID and Password correct, then system show home page. If incorrect, system back to login. Staff also can help company apply for renew worker permit through renew permit function. Renew status will save in database.



3.3.9 Change Password

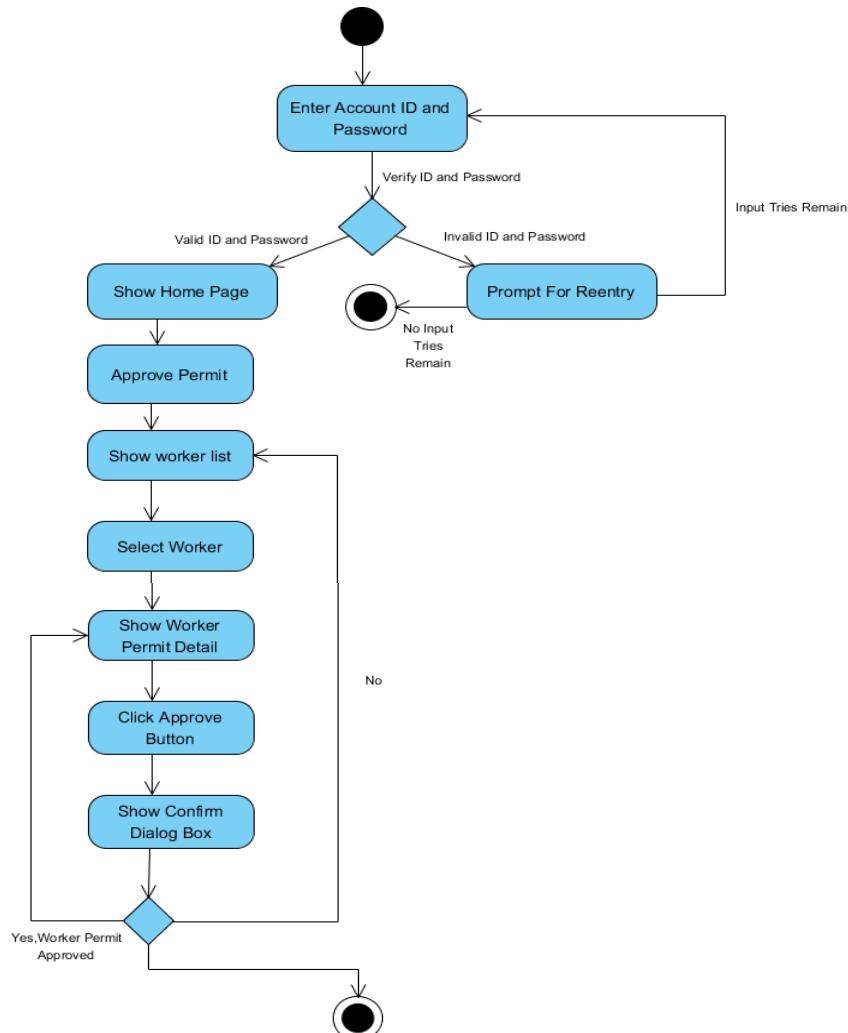
Staff will enter ID and Password into system. The system will retrieve data from database and comparing the ID and Password. If ID and Password correct, then system show home page. If incorrect, system back to login. Staff can select Change Password function to change the old password. Staff insert the old ,new password ,and confirm password. The system will check and save into database without input error.



3.4 Manager

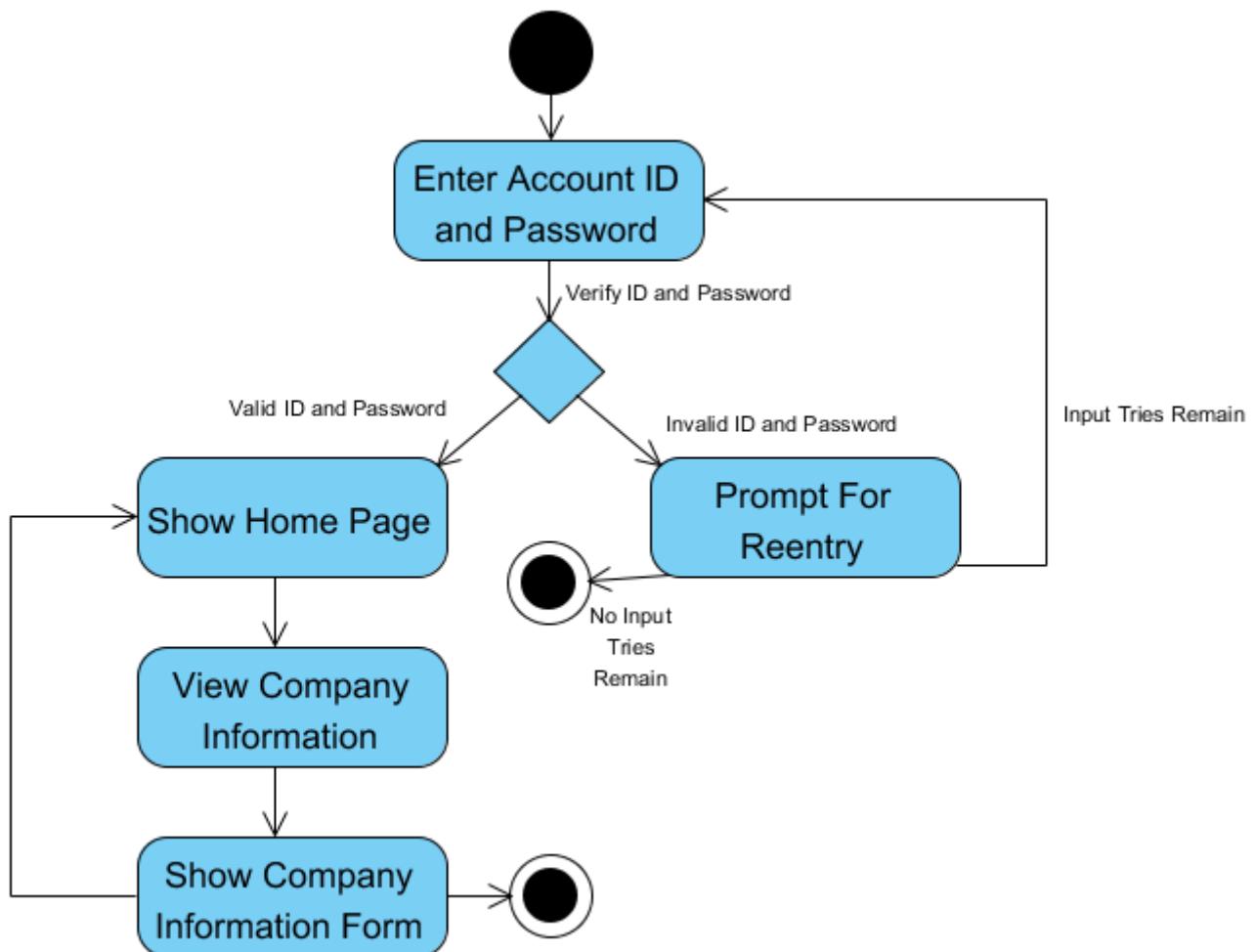
3.4.1 Approve Permit

Manager will enter ID and Password into system. The system will retrieve data from database and comparing the ID and Password. If ID and Password correct, then system show home page. If incorrect, system back to login. Manager also can select update worker permit states function to update their permit states. Manager can approve permit and select approve button to update. System will prompt confirm message. Manager can either select yes or no. If yes ,then system will update the permit status in the database. If no, then the system will back to the working permit detail form. System will retrieve data from database and display the data in the working permit detail form.



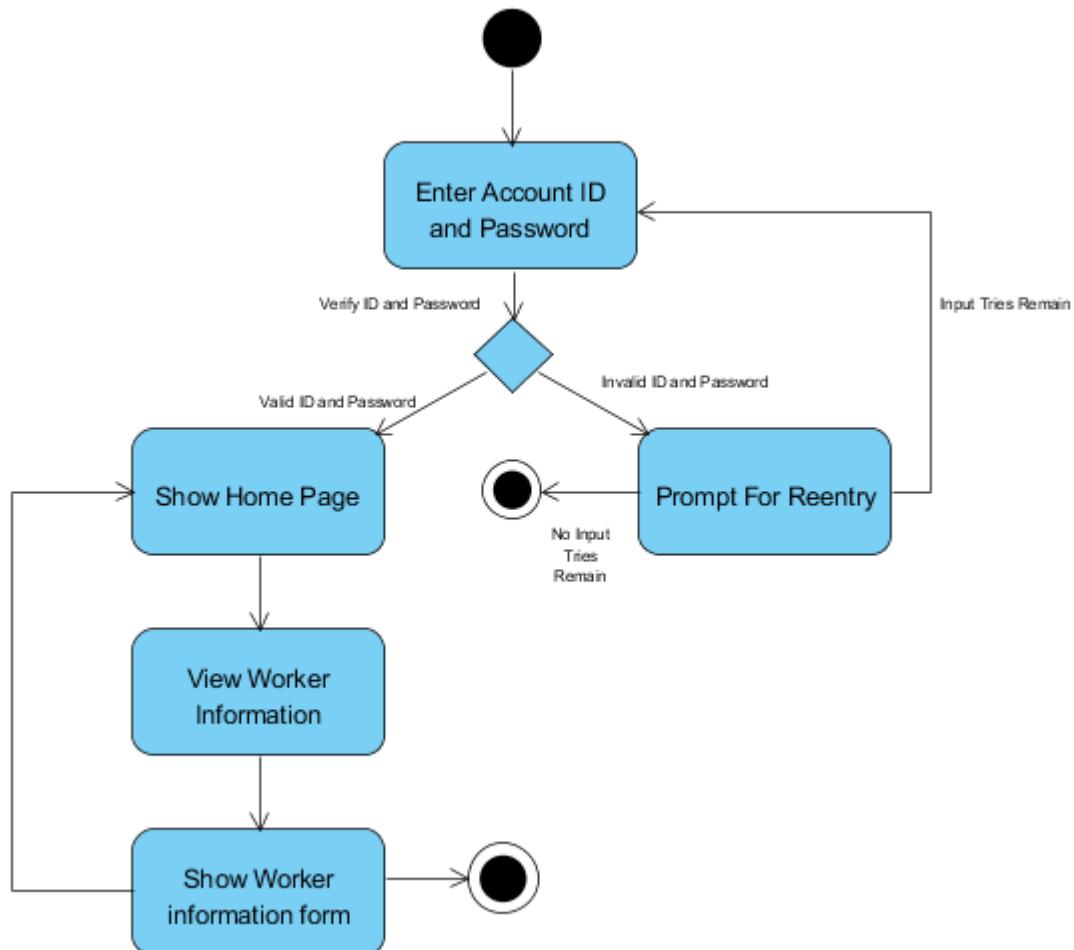
3.4.2 Check Company Information

Manager will enter ID and Password into system. The system will retrieve data from database and comparing the ID and Password. If ID and Password correct, then system show home page. If incorrect, system back to login. Manager select view company information function to view their information. System will retrieve data from database and display the data in the company detail form.



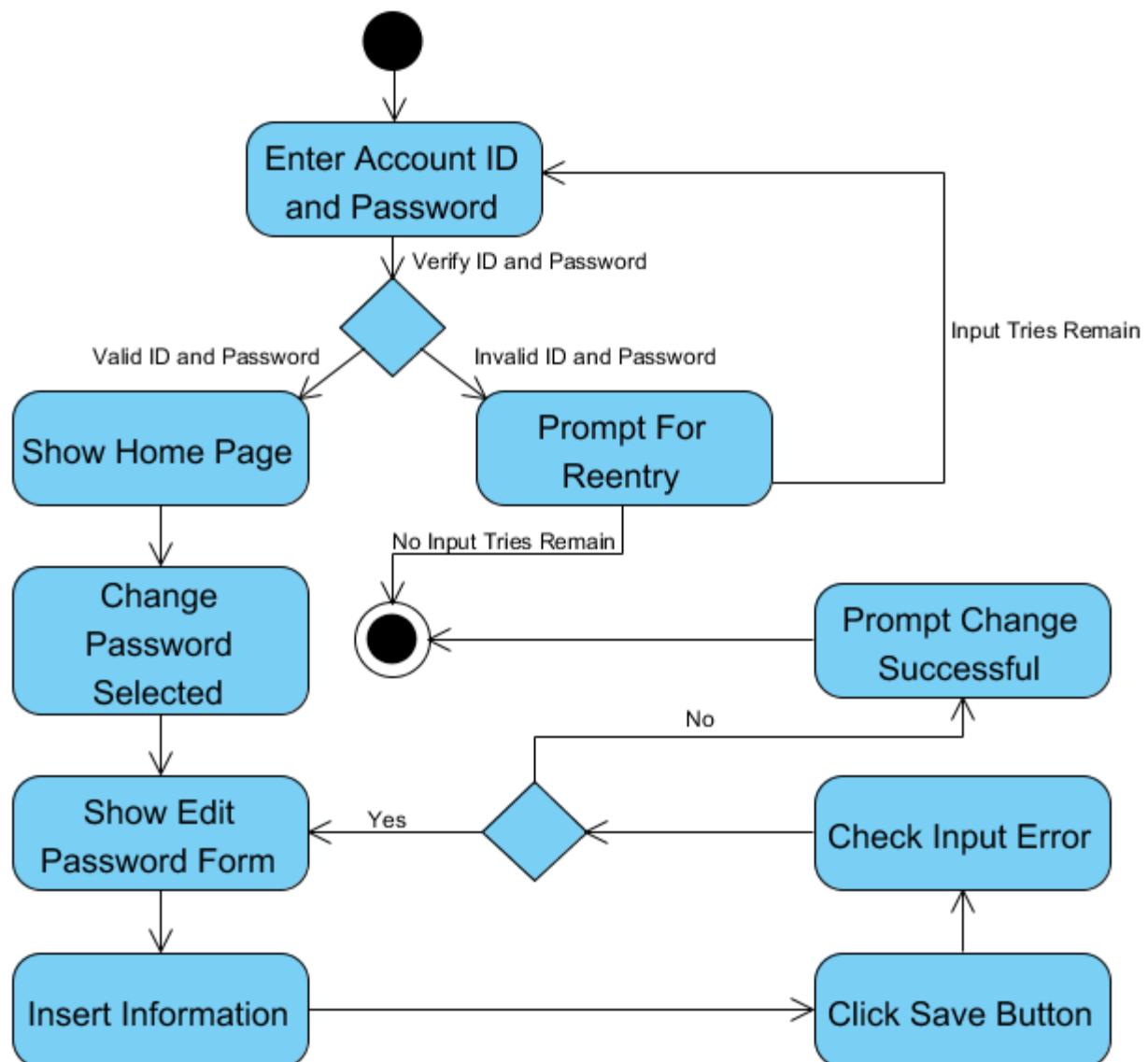
3.4.3 Check Worker Information

Manager will enter ID and Password into system. The system will retrieve data from database and comparing the ID and Password. If ID and Password correct, then system show home page. If incorrect, system back to login. Manager select view worker information function to view their information. System will retrieve data from database and display the data in the worker detail form.



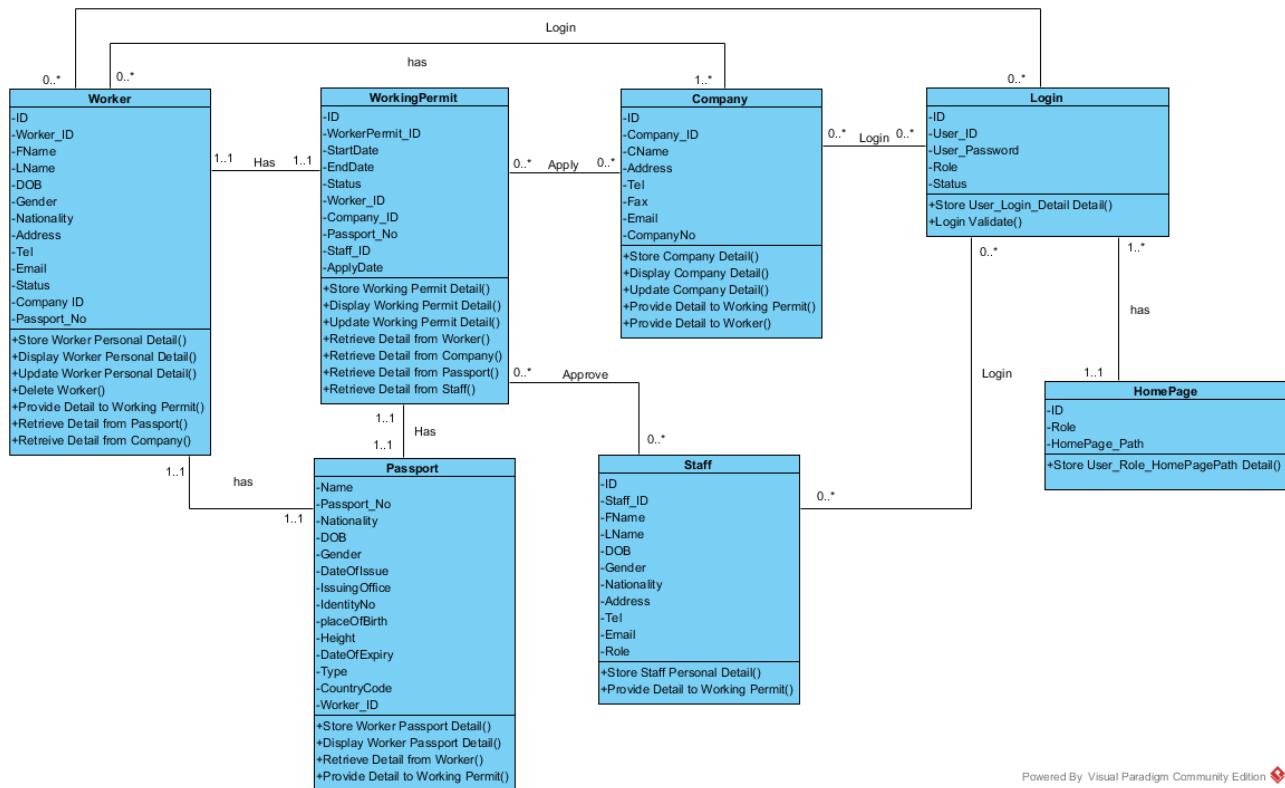
3.4.4 Change Password

Manager will enter ID and Password into system. The system will retrieve data from database and comparing the ID and Password. If ID and Password correct, then system show home page. If incorrect, system back to login. Manager can select Change Password function to change the old password. Manager insert the old ,new password ,and confirm password. The system will check and save into database without input error.



4 Specific Requirements

4.1 Class Diagrams



Powered By Visual Paradigm Community Edition

This class diagram shows the relationship between the different classes.

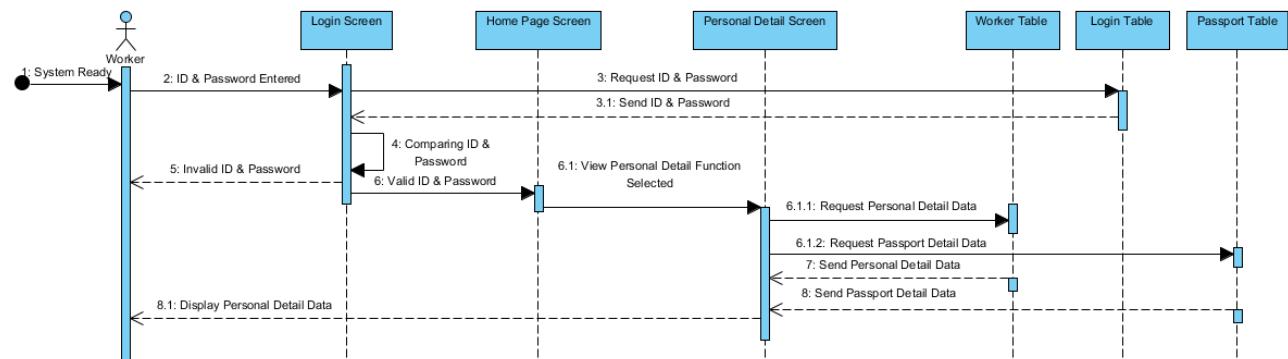
Login class stores the user login id and password and allows the system to compare with the data input by Worker, Company, Staff, in order to let them log in to the system. After that, HomePage class will identify the user role to provide the homepage path link to let user proceed to their role homepage.

Worker class used to store and provide worker detail, but the worker's passport detail will store in passport class, which also can provide passport detail. Company class used to store and provide company detail. Staff class used to store, provide staff detail, and identify the staff role (Staff or Manager). The WorkingPermit class uses to store the worker's working permit. It will store the id of (worker, staff, company, passport) classes. In order to identify the working permit belongs to which worker.

Sequence Diagrams

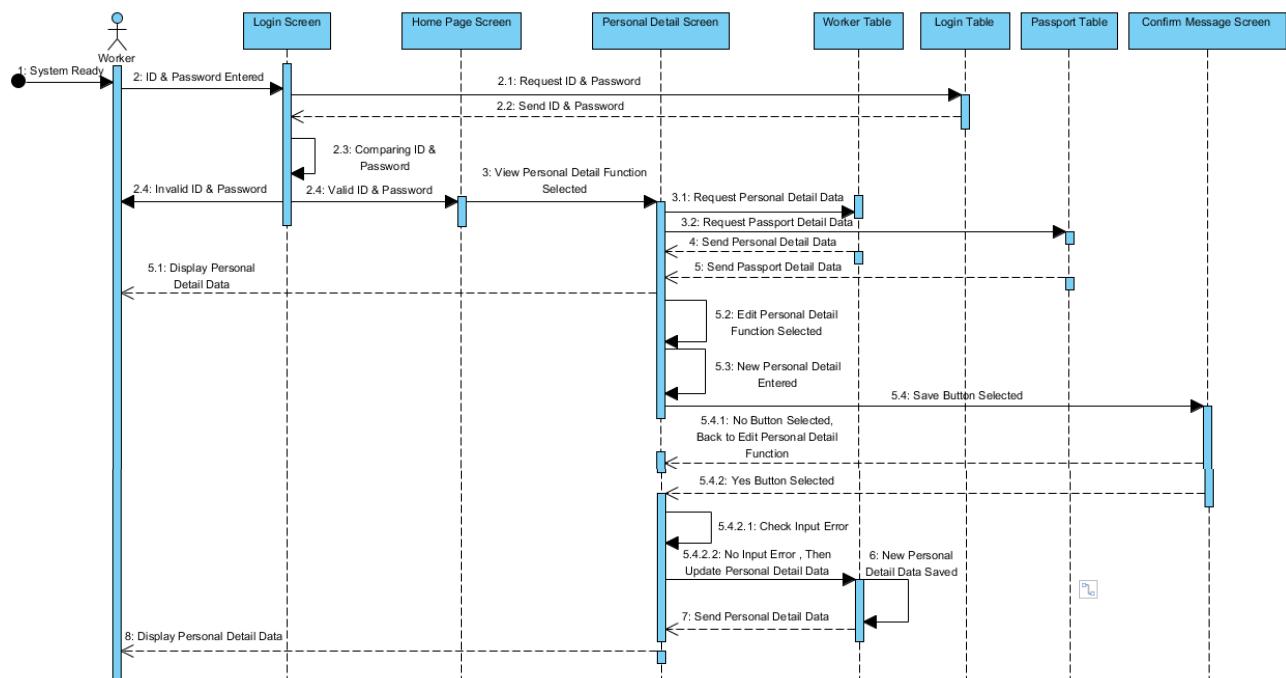
4.1.1 View Personal Detail (Worker)

1. Worker will enter ID and Password into system.
2. The system will retrieve data from login table and comparing the ID and Password.
3. If correct, then system show home page ; If incorrect, system back to login.
4. Worker select view personal detail function to view their personal detail.
5. System will retrieve data from worker table and passport table, then display the data in the personal detail form.



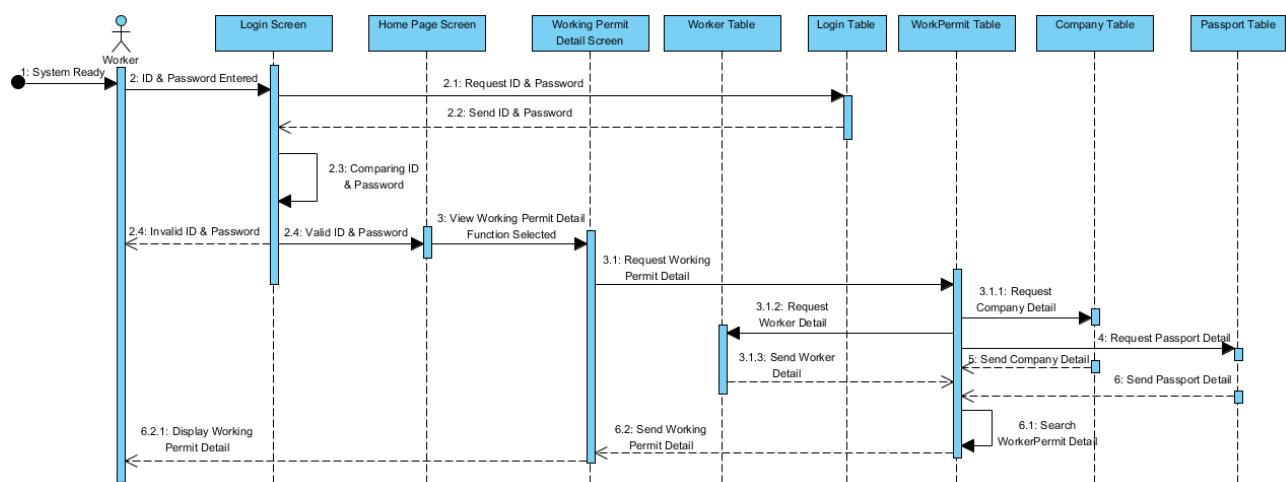
4.1.2 Edit Personal Detail (Worker)

1. Worker will enter ID and Password into system.
2. The system will retrieve data from login table and comparing the ID and Password.
3. If correct, then system show home page ; If incorrect, system back to login.
4. Worker select view personal detail function to view their personal detail.
5. System will retrieve data from worker table and display the data in the personal detail form.
6. Worker also can select edit personal detail function to update their personal detail.
7. Worker can enter new personal detail and select save button to update.
8. System will prompt confirm message, worker can either select yes or no.
9. If yes ,then system will check the entered detail which cant not to be empty value and wrong input format. If no, then the system will back to the edit state.
10. After checking, if no any input error, then system will update the record in the worker table.



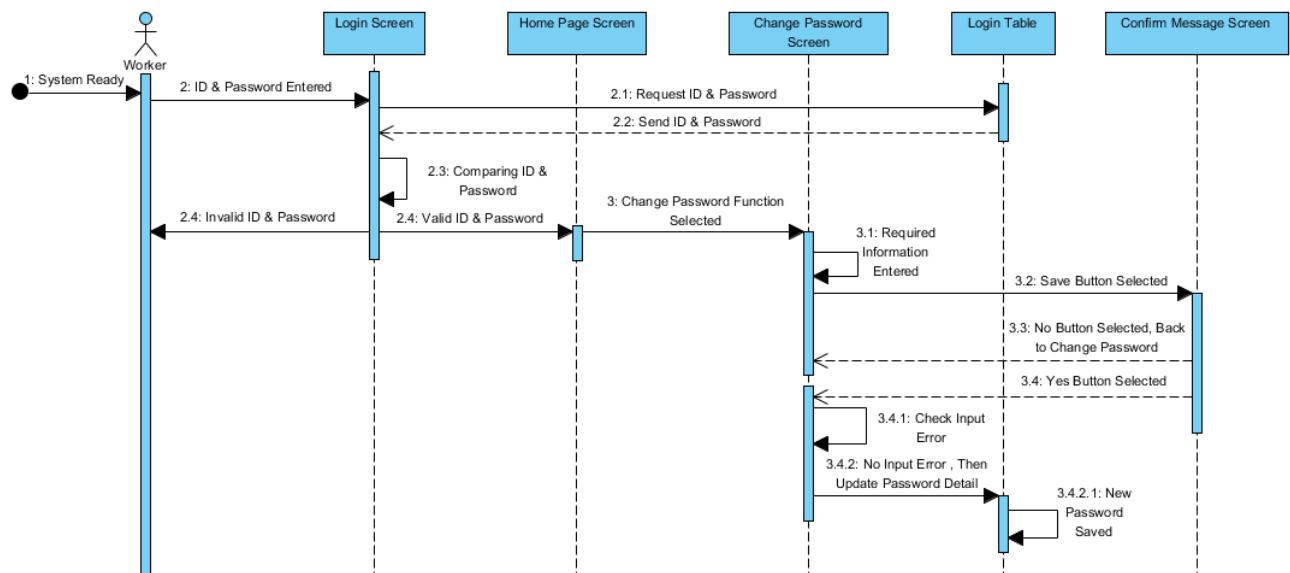
4.1.3 View Working Permit Status (Worker)

1. Worker will enter ID and Password into system.
2. The system will retrieve data from login table and comparing the ID and Password.
3. If correct, then system show home page; If incorrect, system back to login.
4. Worker can select view working permit status function to view their working permit status.
5. System will retrieve data from workingpermit table and display the data in the working permit form.



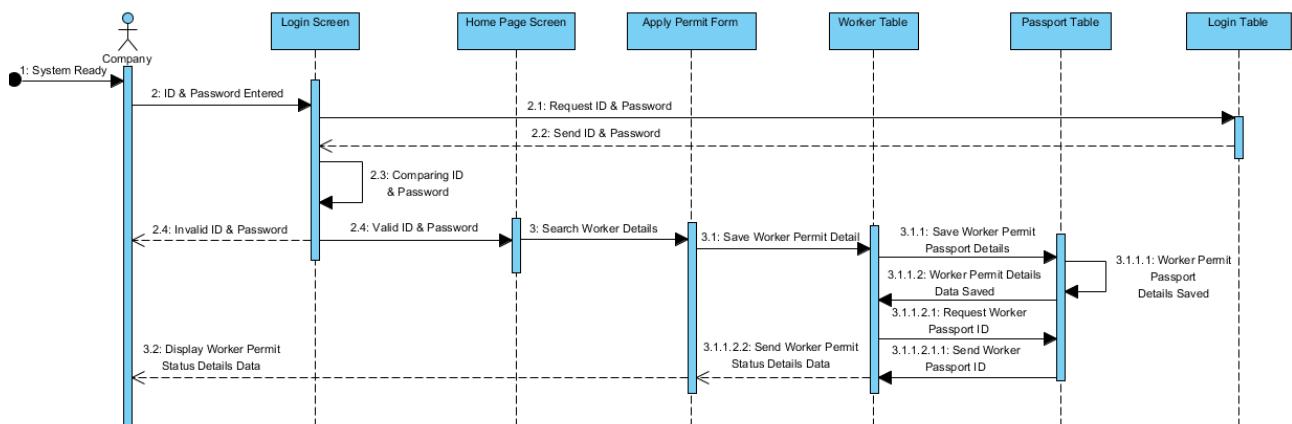
4.1.4 Change Password (Worker)

1. Worker will enter ID and Password into system.
2. The system will retrieve data from login table and comparing the ID and Password.
3. If correct, then system show home page ; If incorrect, system back to login.
4. Worker can select change password function to change their password.
5. System will show a change password form.
6. Worker insert the old ,new password, and confirm password and click save button to save.
7. System will retrieve data from login table and compare the old password
8. If correct ,System will save the new password into login table. Otherwise, System will back to change password form.



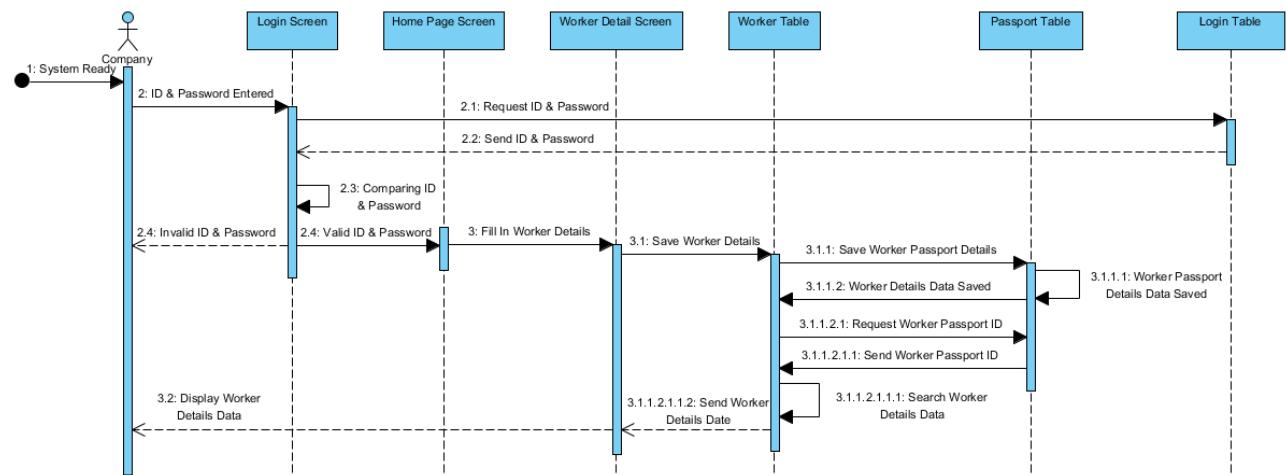
4.1.5 Apply Permit (Company)

1. Company will enter the ID and password.
2. System will retrieve data from login table and comparing the ID and password.
3. If the ID and password are not matching, system will return to login page ; If the compare ID and password is correct, system will show the home page.
4. Company select the apply permit function that can help worker apply permit.
5. System will retrieve the worker details from worker table and show in the worker permit form.
6. Company click the apply button.
7. System update the permit status become pending in the working permit table.



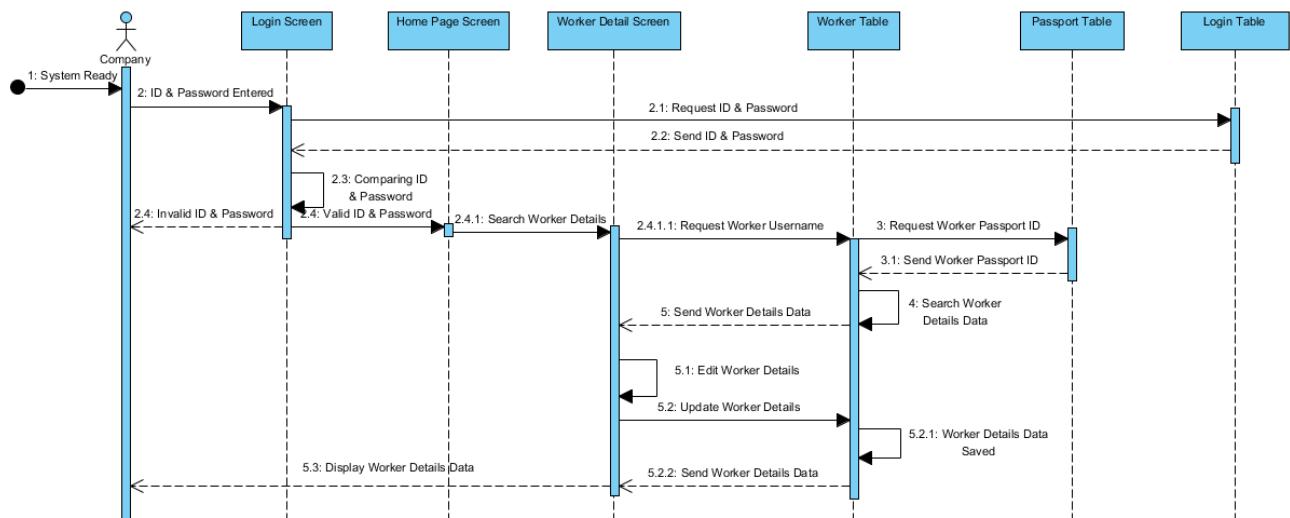
4.1.6 Insert Worker Detail (Company)

1. Company will enter the ID and password.
2. System will retrieve data from login table and comparing the ID and password.
3. If the ID and password are not matching, system will return to login page ; If the compare ID and password is correct, system will show the home page.
4. Company select add worker detail function to add worker personal details into worker table.



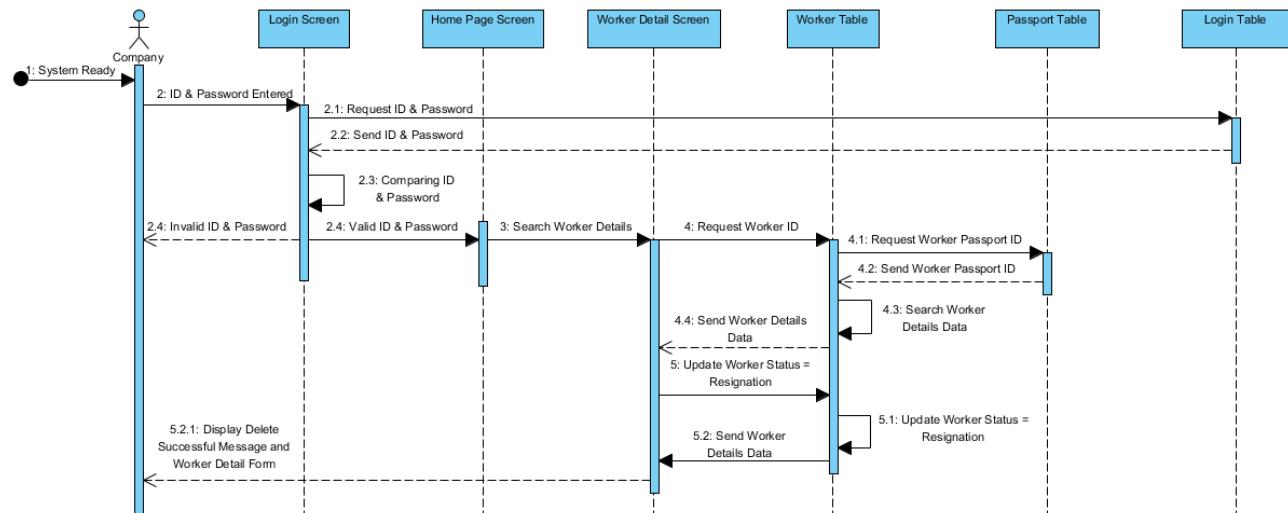
4.1.7 Update Worker Detail (Company)

1. Company will enter the ID and password.
2. System will retrieve data from login table and comparing the ID and password.
3. If the ID and password are not matching, system will return to login page ; If the compare ID and password is correct, system will show the home page.
4. Company can select update worker function to edit worker personal details.
5. System will retrieve data from worker table and show the worker personal details form.
6. Company select the edit button to starting edit the details.
7. Company click the update button to complete the update details.
8. System will prompt out the confirmation dialog box.
9. Company can select yes then the details update into worker table.



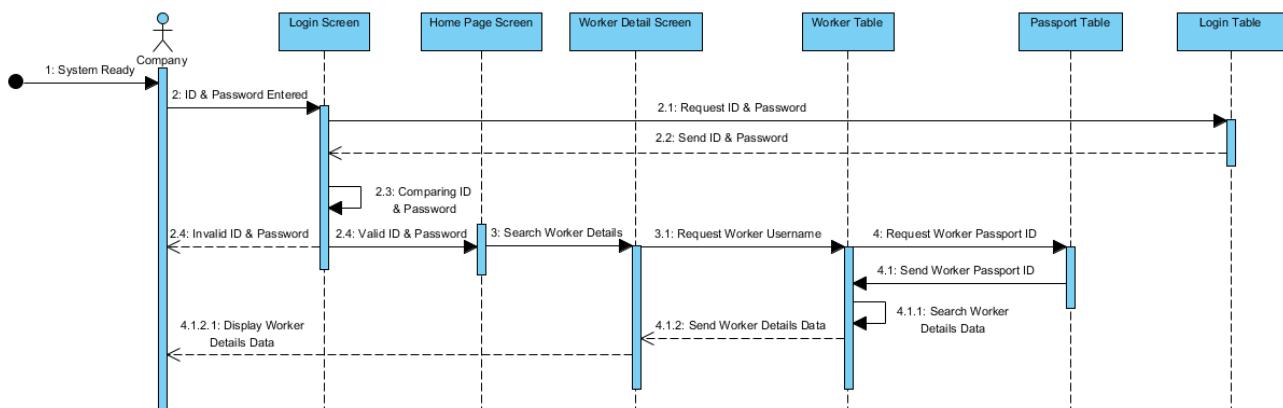
4.1.8 Delete Worker Detail (Company)

1. Company will enter the ID and password.
2. System will retrieve data from login table and comparing the ID and password.
3. If the ID and password are not matching, system will return to login page ; If the compare ID and password is correct, system will show the home page.
4. Company can select the delete worker function in home page.
5. Company enter the worker username and request to worker table to search the worker. system will retrieve the worker details and show the worker details form
6. Company click delete button , then system prompt out the confirmation dialog box.
7. Company select yes to update the worker status become resignation in the working permit table.



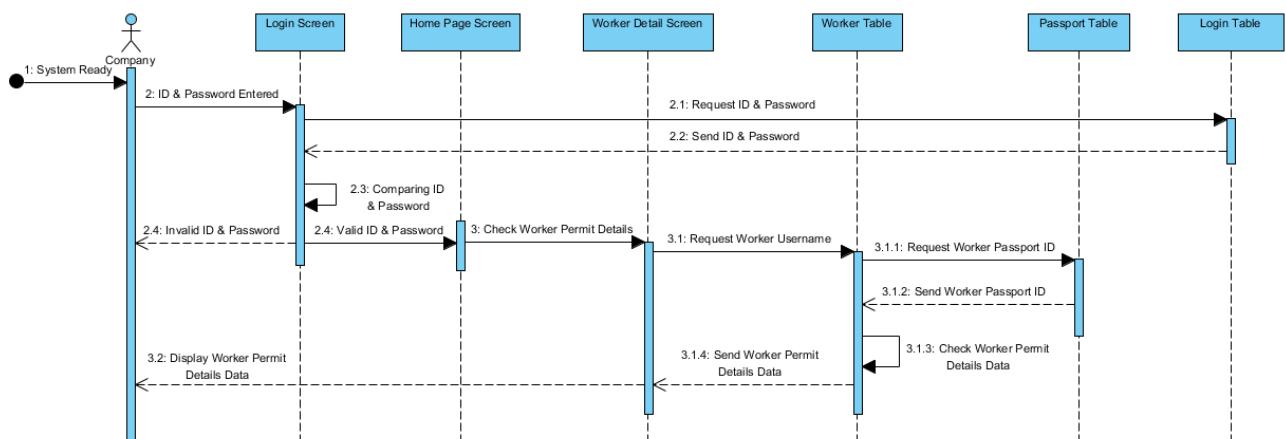
4.1.9 View Worker Detail (Company)

1. Company will enter the ID and password.
2. System will retrieve data from login table and comparing the ID and password.
3. If the ID and password are not matching, system will return to login page ; If the compare ID and password is correct, system will show the home page.
4. Company select the view worker function to view the worker personal details.
5. System will retrieve data from worker table and display the details in the worker personal details form.



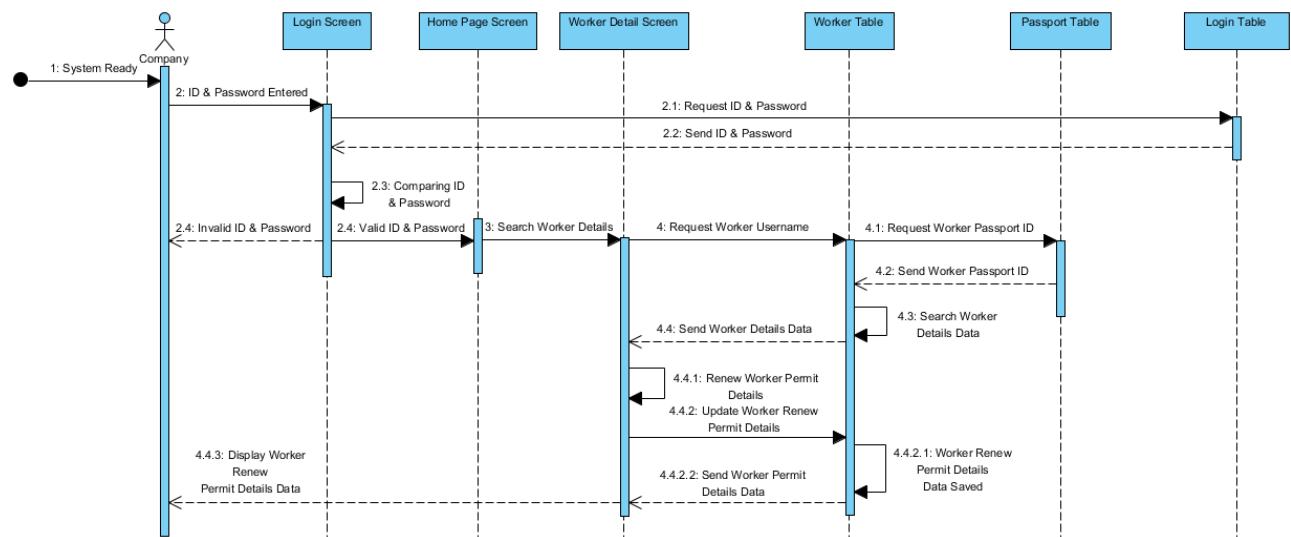
4.1.10 Check Permit Status (Company)

1. Company will enter the ID and password.
2. System will retrieve data from login table and comparing the ID and password.
3. If the ID and password are not matching, system will return to login page ; If the compare ID and password is correct, system will show the home page.
4. Company select the check permit to check the permit status.
5. System will retrieve the details from working permit table.



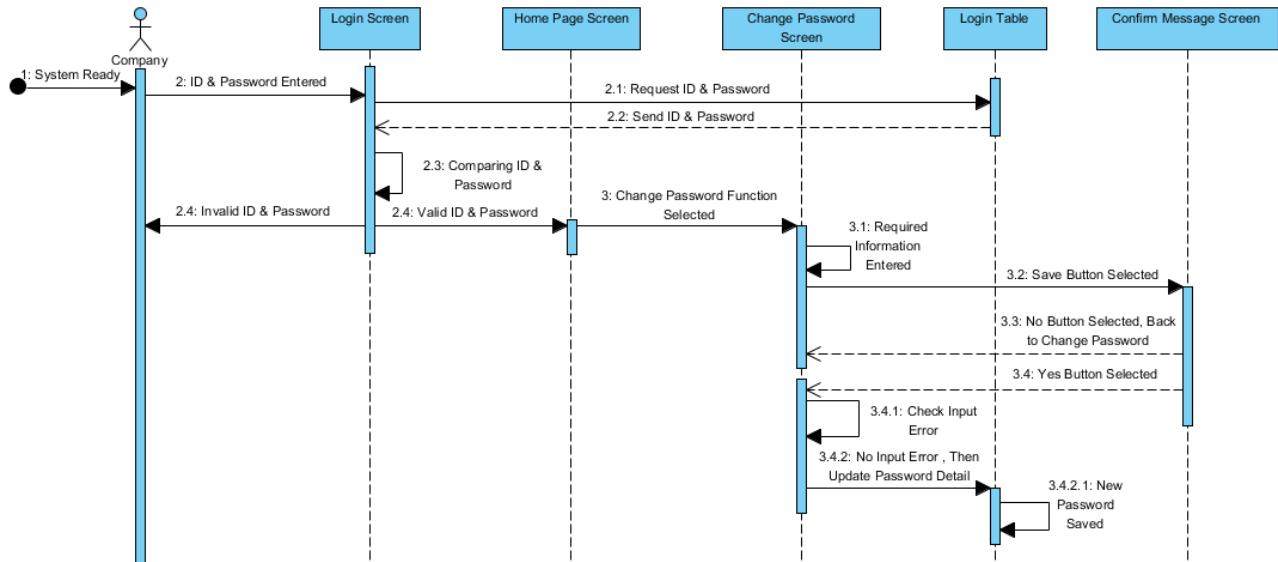
4.1.11 Renew Permit (Company)

1. Company will enter the ID and password.
2. System will retrieve data from login table and comparing the ID and password.
3. If the ID and password are not matching, system will return to login page ; If the compare ID and password is correct, system will show the home page.
4. If the status is expired, company can click the renew button to renew permit.
5. After renew permit, the system update the data into working permit table and system show that status is pending.



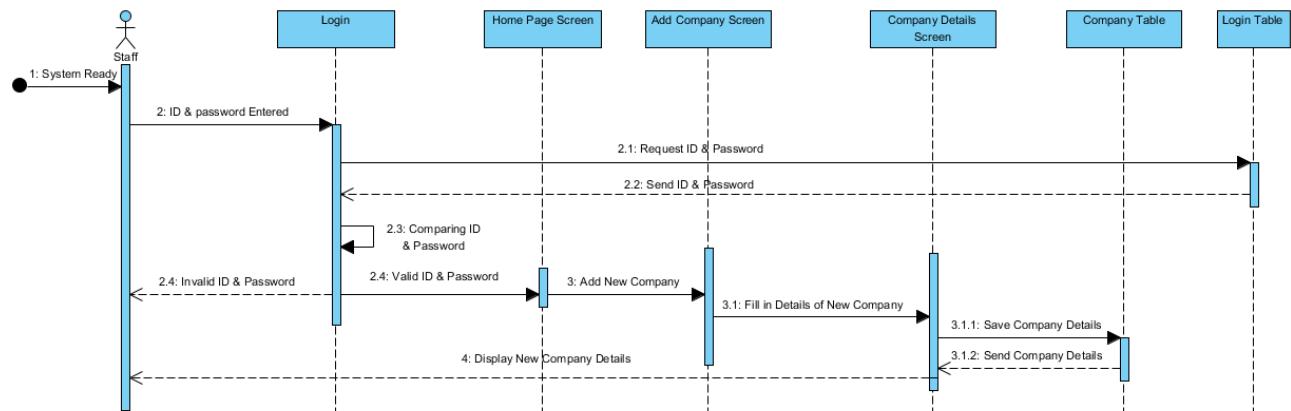
4.1.12 Change Password (Company)

1. Company will enter ID and Password into system.
2. The system will retrieve data from login table and comparing the ID and Password.
3. If correct, then system show home page ; If incorrect, system back to login.
4. Company can select change password function to change their password.
5. System will show a change password form.
6. Company insert the old ,new password, and confirm password and click save button to save.
7. System will retrieve data from login table and compare the old password
8. If correct ,System will save the new password into login table. Otherwise, System will back to change password form.



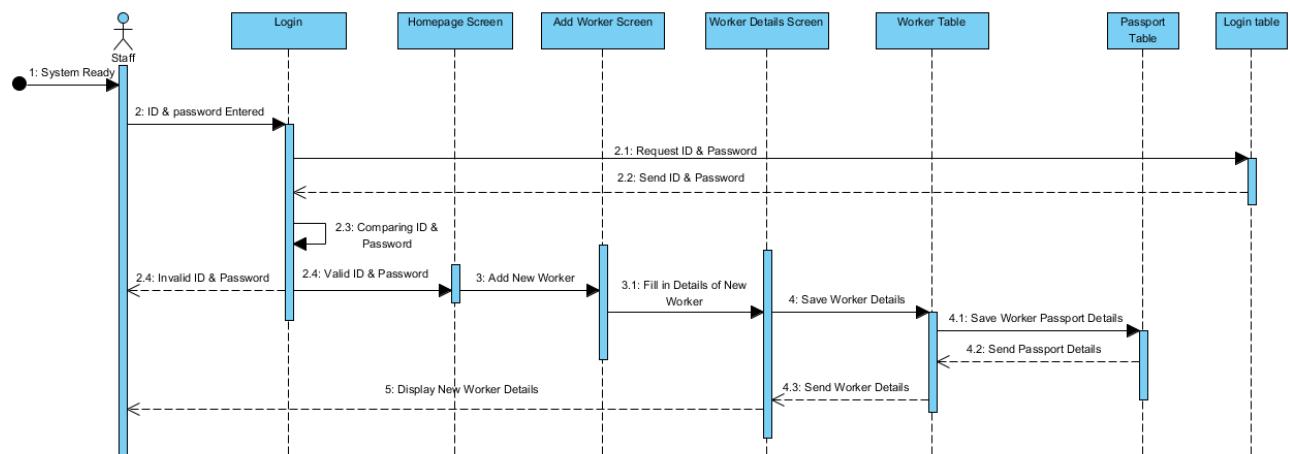
4.1.13 Add Company (Staff)

1. Staff will enter ID and Password into system.
2. The system will retrieve data from login table and comparing the ID and Password.
3. If ID and Password correct, then system show home page. If incorrect, system back to login.
4. Staff select add company to add a new company.
5. System will save data to company table.



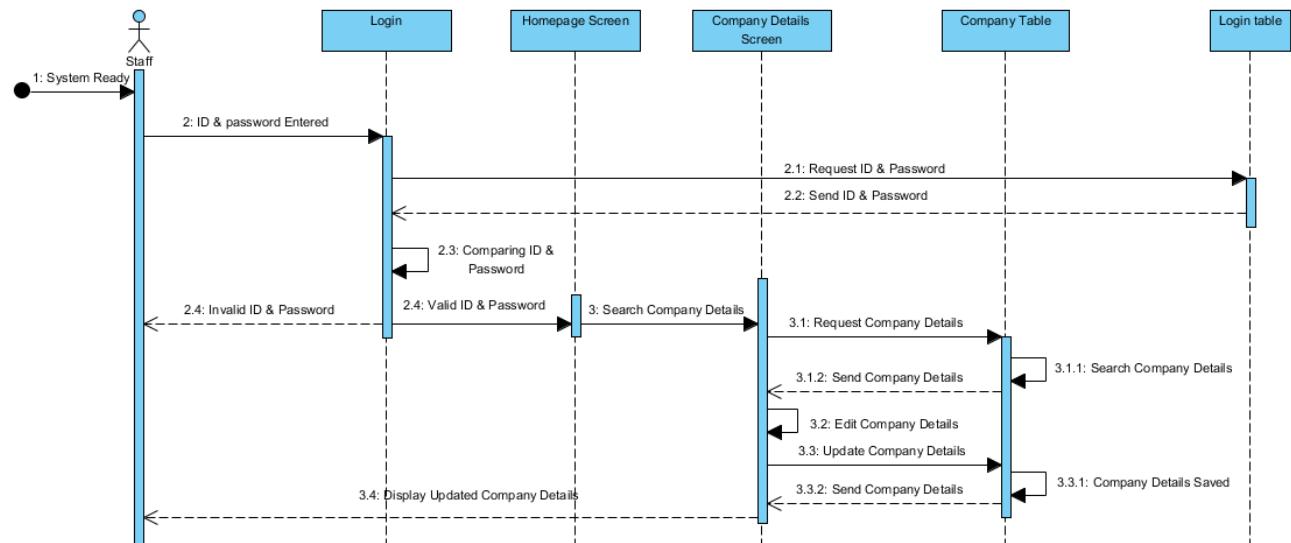
4.1.14 Add Worker (Staff)

1. Staff will enter ID and Password into system.
2. The system will retrieve data from login table and comparing the ID and Password.
3. If ID and Password correct, then system show home page. If incorrect, system back to login.
4. Staff select add worker to add a new worker.
5. System will save data to worker table.



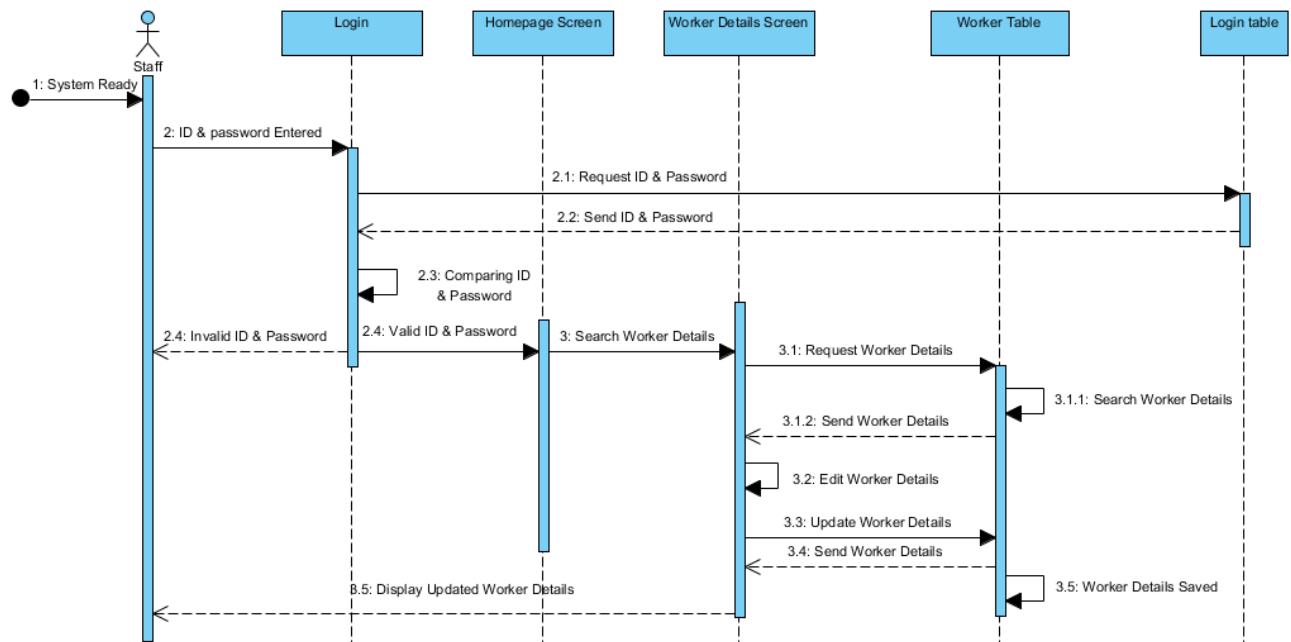
4.1.15 Update Company Detail (Staff)

1. Staff will enter ID and Password into system.
2. The system will retrieve data from login table and comparing the ID and Password.
3. If ID and Password correct, then system show home page. If incorrect, system back to login.
4. Staff also can select update company details function to update the company details.
5. Staff can enter new company details and select save button to update.
6. System will update the record in the company table.
7. System will display updated data.



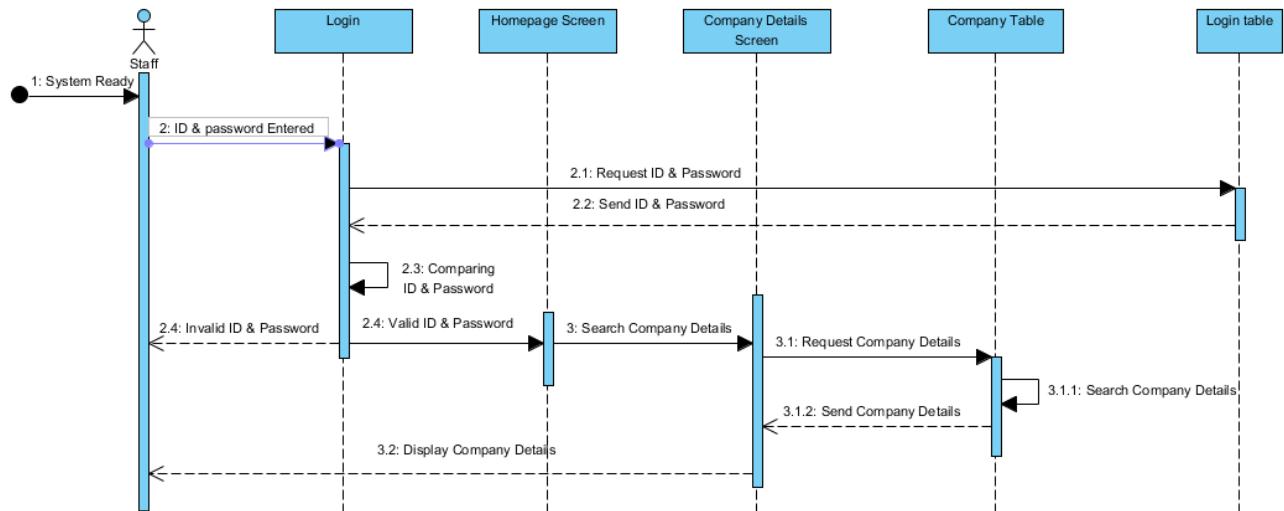
4.1.16 Update Worker Detail (Staff)

1. Staff will enter ID and Password into system.
2. The system will retrieve data from login table and comparing the ID and Password.
3. If ID and Password correct, then system show home page. If incorrect, system back to login.
4. Staff update worker details function to update the worker details
5. Staff can enter new worker details and select save button to update.
6. System will update the record in the worker table.
7. System will display updated details.



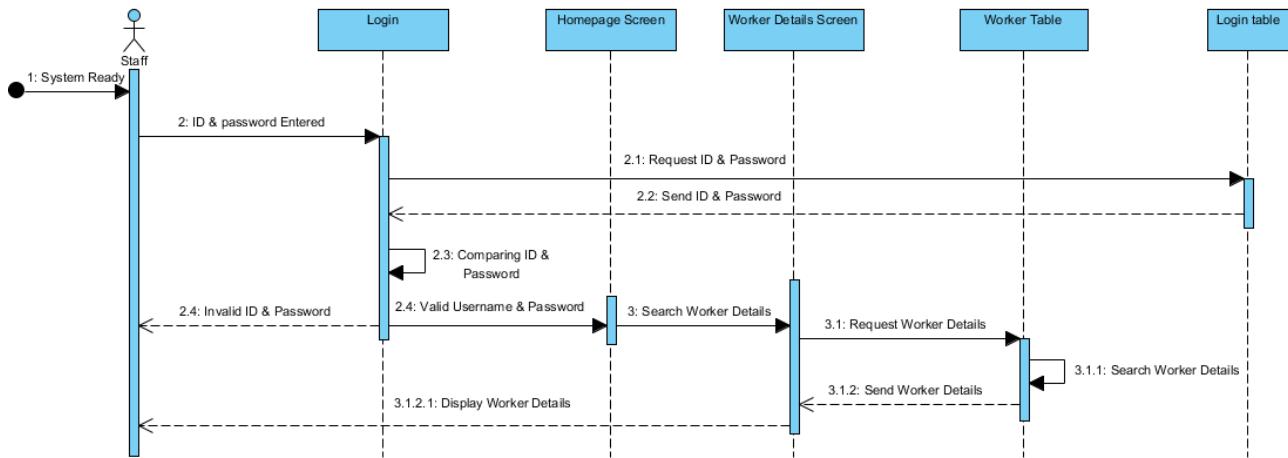
4.1.17 View Company Detail (Staff)

1. Staff will enter ID and Password into system.
2. The system will retrieve data from login table and comparing the ID and Password.
3. If ID and Password correct, then system show home page. If incorrect, system back to login.
4. Staff can select view company details function to view company details.
5. System will display company details from company table.



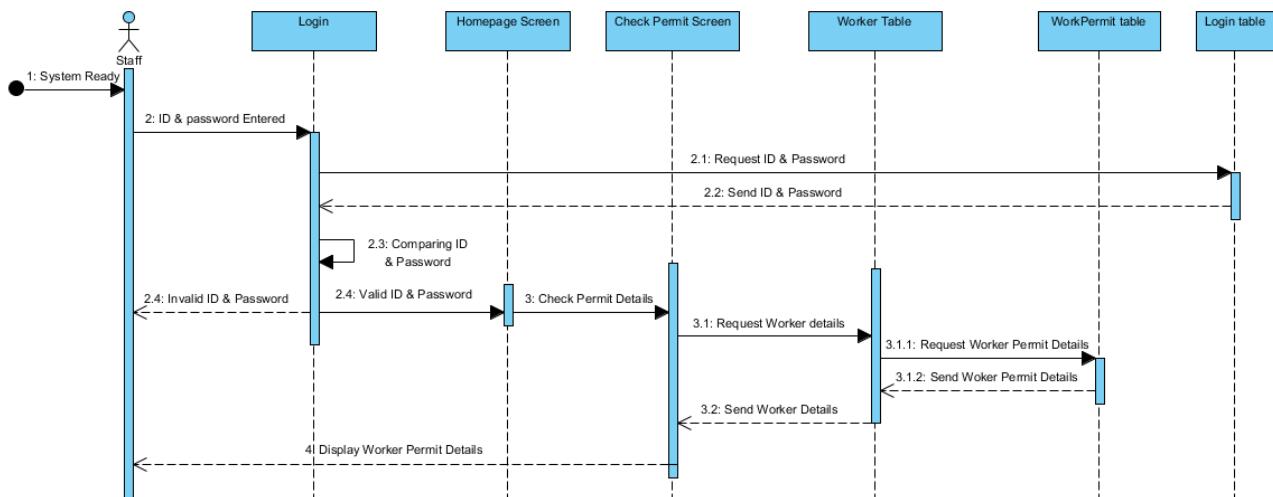
4.1.18 View Worker Detail (Staff)

1. Staff will enter ID and Password into system.
2. The system will retrieve data from login table and comparing the ID and Password.
3. If ID and Password correct, then system show home page. If incorrect, system back to login.
4. Staff can select view worker details function to view worker details.
5. System will display worker details from worker table.



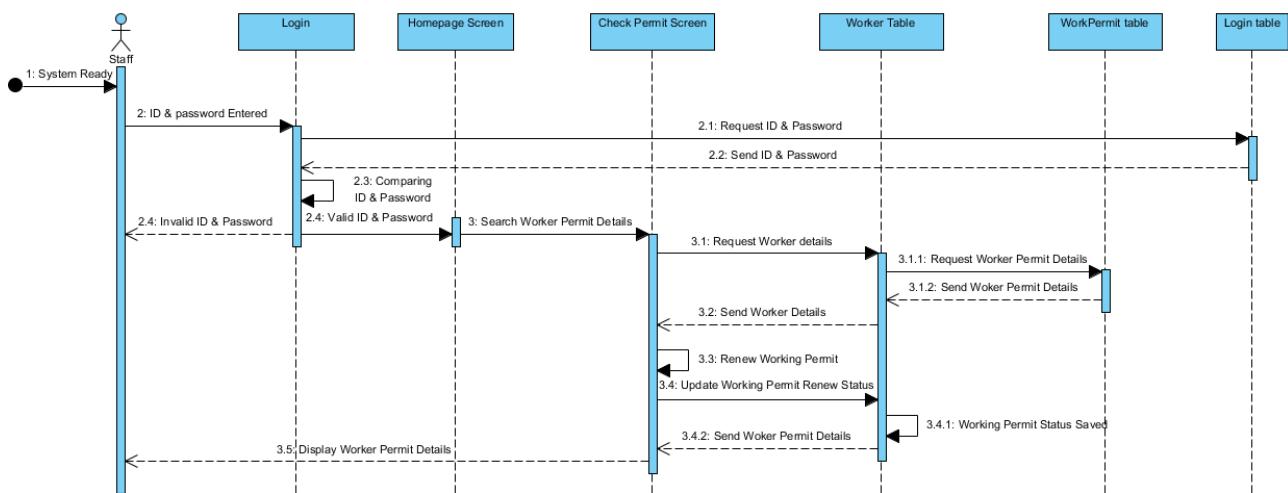
4.1.19 Check Permit Status (Staff)

1. Staff will enter ID and Password into system.
2. The system will retrieve data from login table and comparing the ID and Password.
3. If ID and Password correct, then system show home page. If incorrect, system back to login.
4. Staff can check permit status function to view the working permit status.
5. System will retrieve data from permit table and display the data in the working permit form.



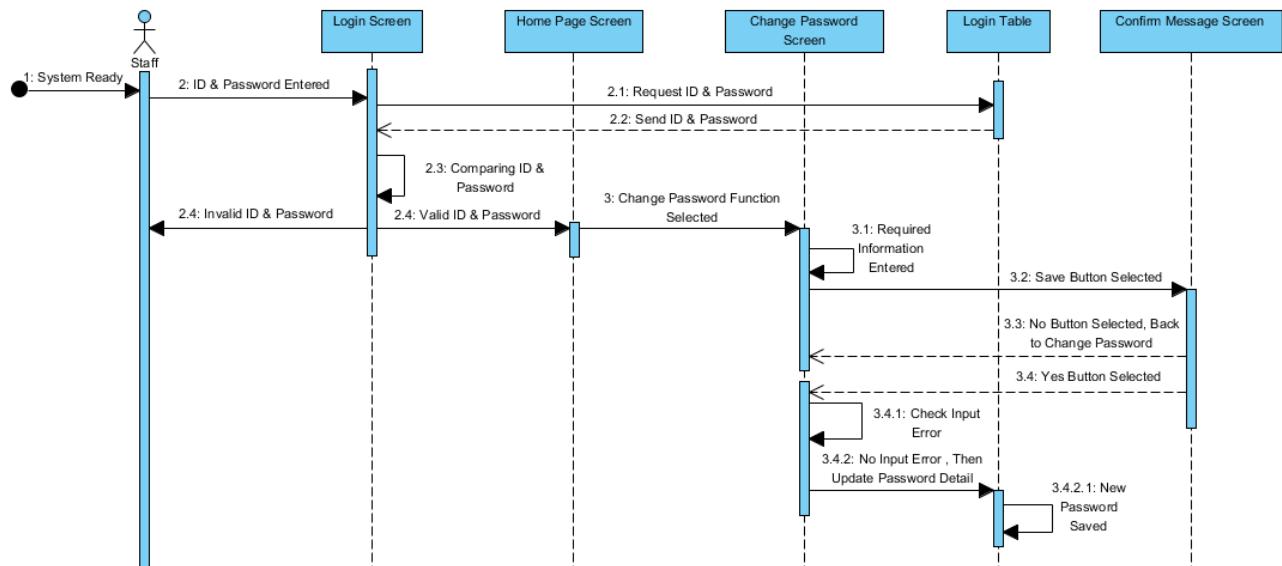
4.1.20 Renew Permit (Staff)

1. Staff will enter ID and Password into system.
2. The system will retrieve data from login table and comparing the ID and Password.
3. If ID and Password correct, then system show home page. If incorrect, system back to login.
4. Staff can help customer apply for renew worker permit through renew permit function.
5. Permit table will save the renew status.



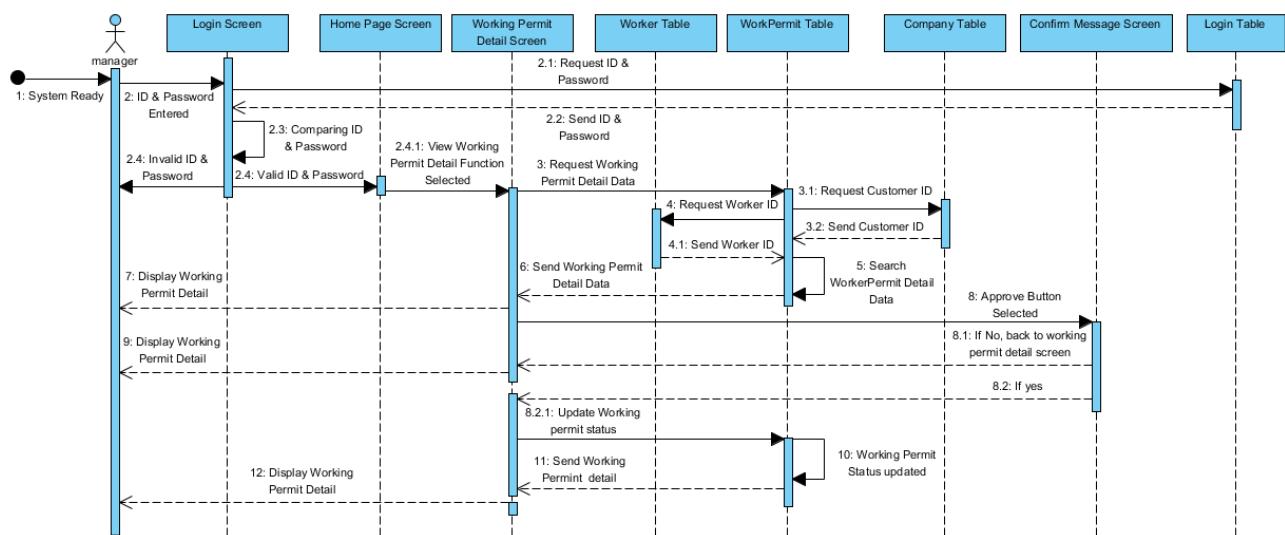
4.1.21 Change Password (Staff)

1. Staff will enter ID and Password into system.
2. The system will retrieve data from login table and comparing the ID and Password.
3. If correct, then system show home page ; If incorrect, system back to login.
4. Staff can select change password function to change their password.
5. System will show a change password form.
6. Staff insert the old ,new password, and confirm password and click save button to save.
7. System will retrieve data from login table and compare the old password
8. If correct ,System will save the new password into login table. Otherwise, System will back to change password form.



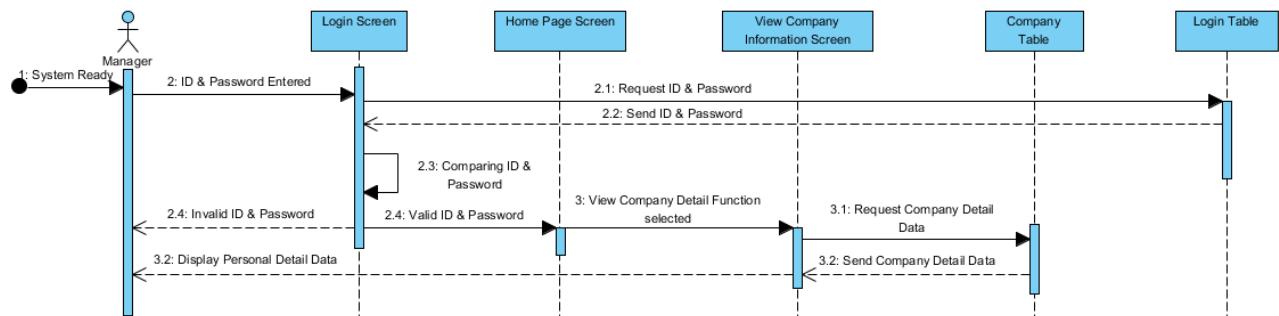
4.1.22 Approve Permit (Manager)

1. Manager will enter ID and Password into system.
2. The system will retrieve data from login table and comparing the ID and Password.
3. If ID and Password correct, then system show home page ; If incorrect, system back to login.
4. Manager can approve permit and select approve button to update.
5. System will prompt confirm message.
6. Manager can either select yes or no.
7. If yes ,then system will update the permit status in the database ; If no, then the system will back to the working permit detail form.
8. System will retrieve data from workingpermit table and display the data in the working permit detail form.



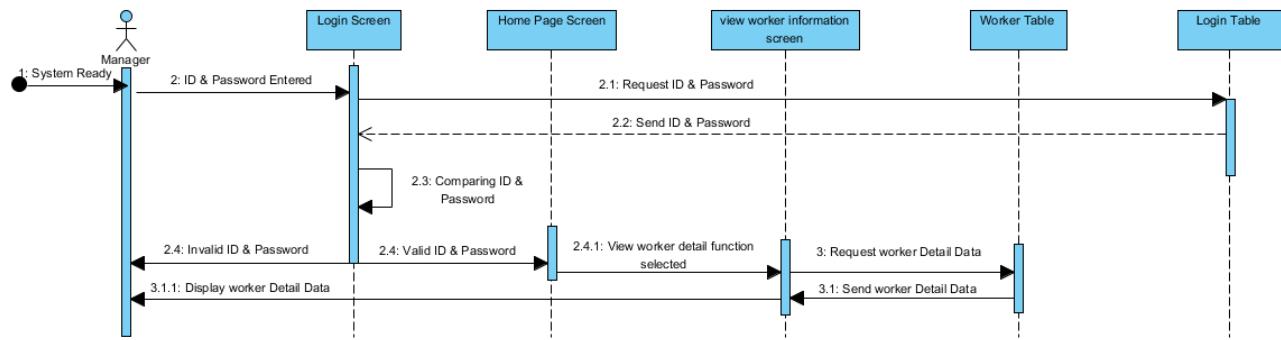
4.1.23 Check Company Information (Manager)

1. Manager will enter ID and Password into system.
2. The system will retrieve data from login table and comparing the ID and Password.
3. If ID and Password correct, then system show home page. If incorrect, system back to login.
4. Manager can select view company details function to view company details.
5. System will display company details from company table.



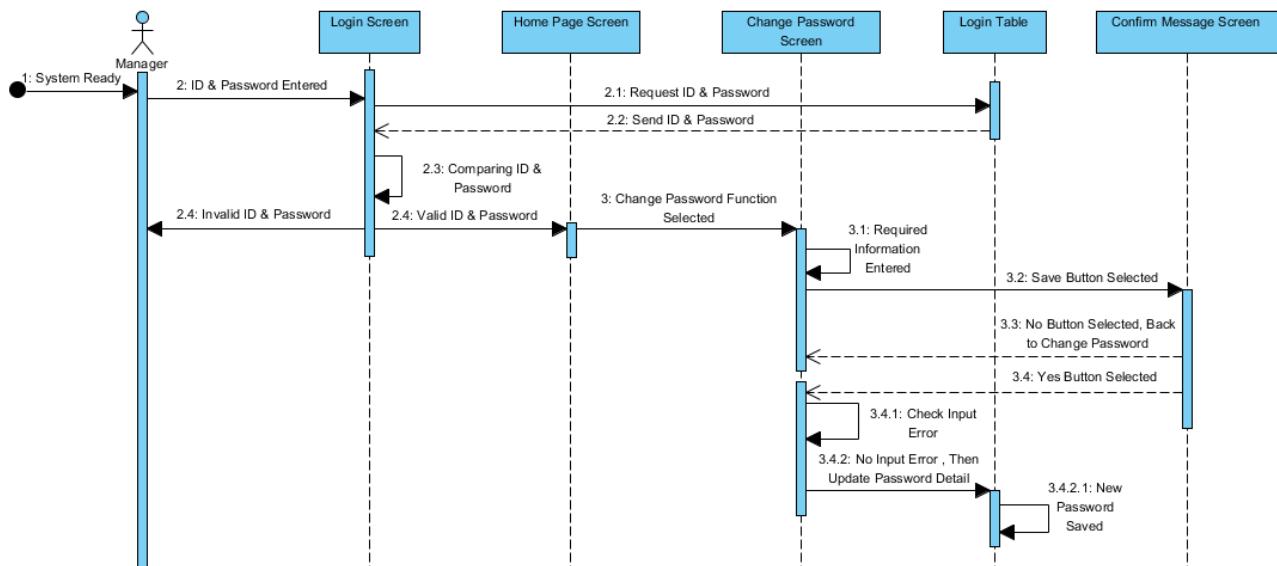
4.1.24 Check Worker Information (Manager)

1. Manager will enter ID and Password into system.
2. The system will retrieve data from login table and comparing the ID and Password.
3. If ID and Password correct, then system show home page. If incorrect, system back to login.
4. Manager can select view worker details function to view worker details.
5. System will display worker details from worker table.



4.1.25 Change Password (Manager)

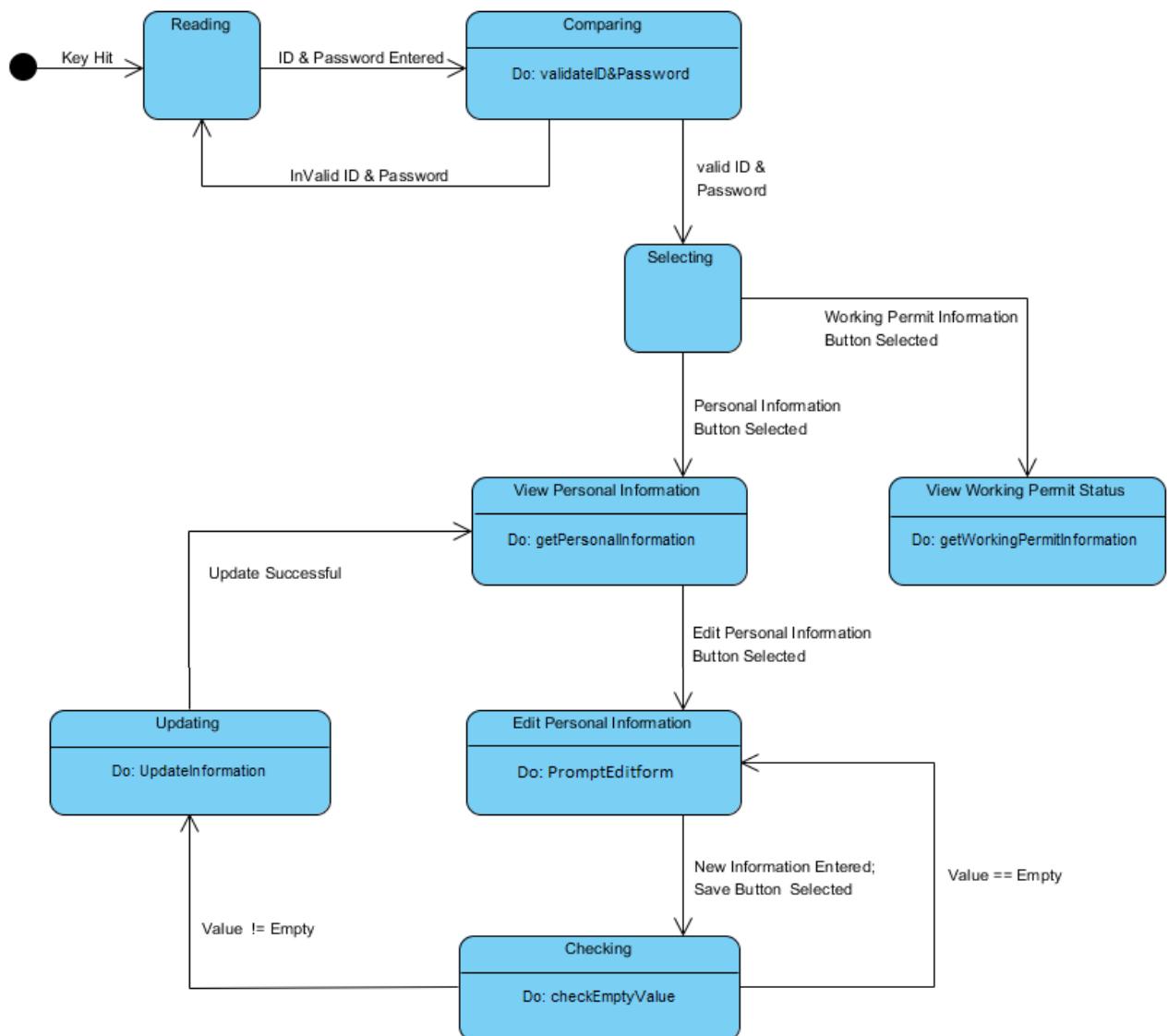
1. Staff will enter ID and Password into system.
2. The system will retrieve data from login table and comparing the ID and Password.
3. If correct, then system show home page ; If incorrect, system back to login.
4. Staff can select change password function to change their password.
5. System will show a change password form.
6. Staff insert the old ,new password, and confirm password and click save button to save.
7. System will retrieve data from login table and compare the old password
8. If correct ,System will save the new password into login table. Otherwise, System will back to change password form.



5 Behavioural Requirements

5.1 State Diagrams

Worker



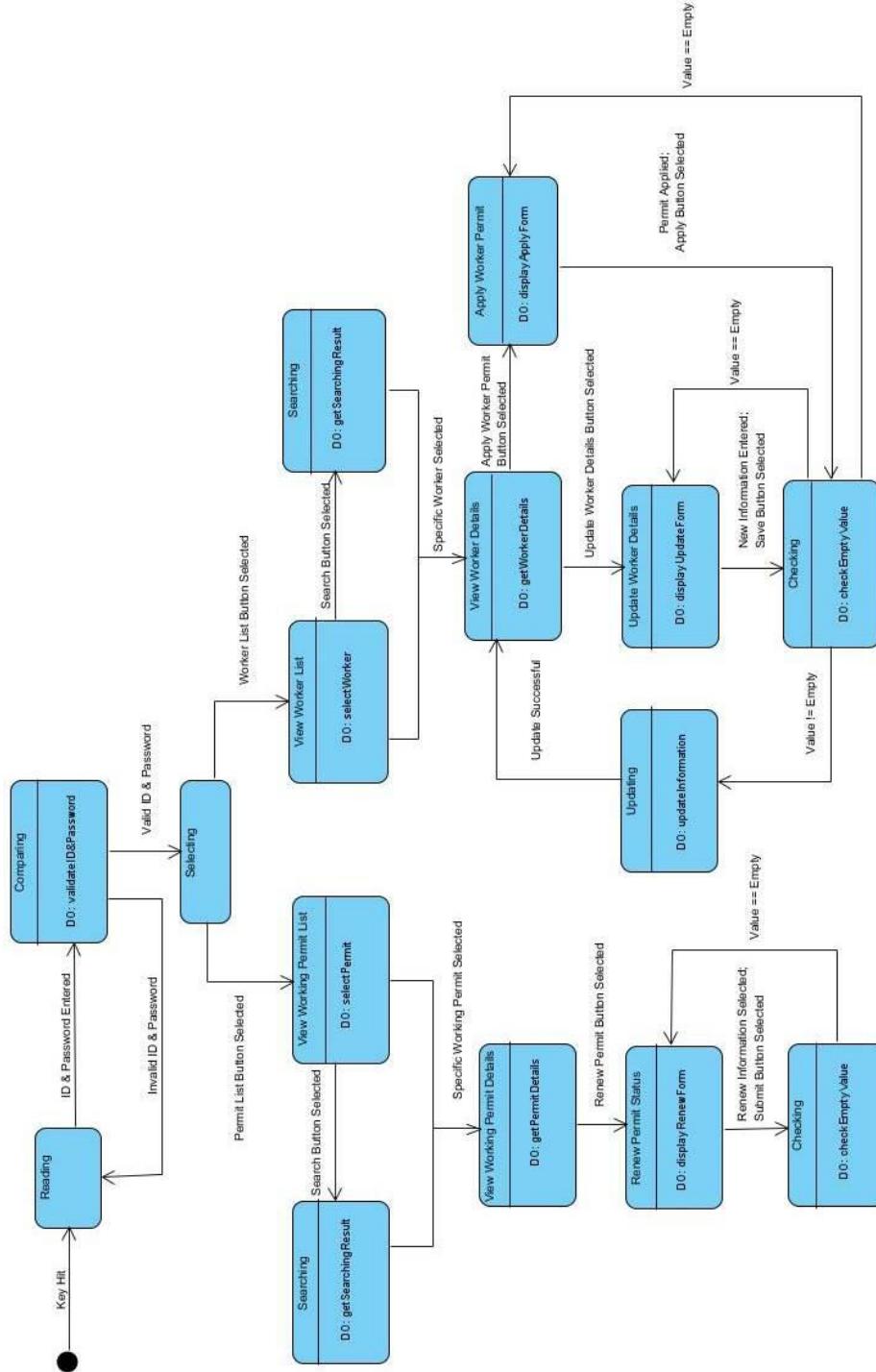
Worker will enter ID and Password into system. The system will retrieve data from login table and comparing the ID and Password. If correct, then system show the home page; if incorrect, system back to login.

Worker can select from two function.

If worker select view personal detail function, system will retrieve data from worker table and passport table, then display the data in the personal detail form. Worker can edit their personal details through edit personal details button. Worker can enter new personal detail and select save button to update. System will prompt confirm message, worker can either select yes or no. If yes, then system will check the entered detail which can not to be empty value and wrong input format. If no, then the system will back to the edit state.

If worker select view working permit status function, system will retrieve data from working permit table and display the data in the working permit form.

Company



Company will enter the ID and password. System will retrieve data from login table and comparing the ID and password. If the ID and password are not matching, system will return to login page; if the compare ID and password is correct, system will show the home page.

There have two function button for company.

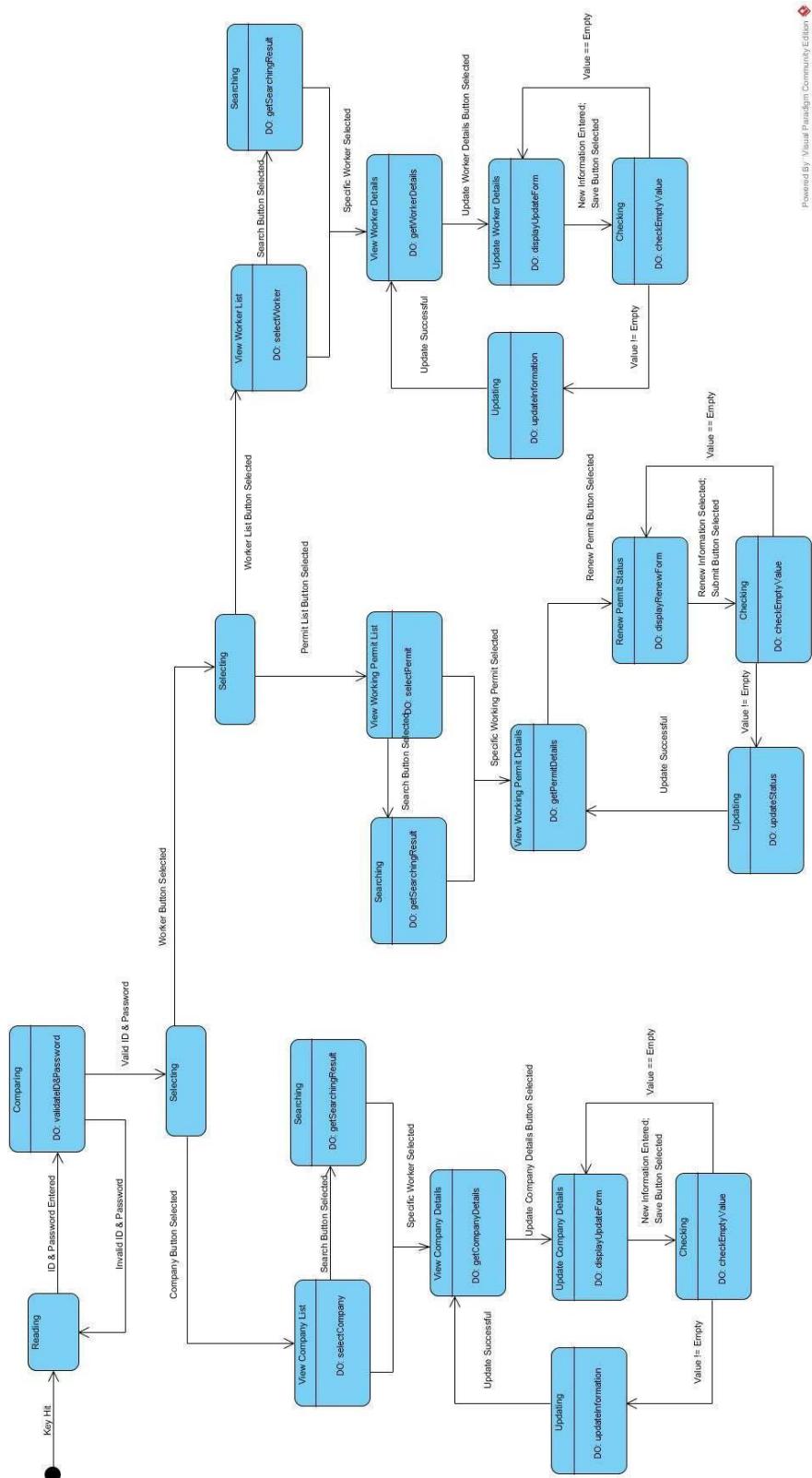
If Company select the worker list function, system will retrieve the worker list from worker table. Company can do searching for a specific worker or choose from the worker list. System will retrieve the worker details from worker table and show in the worker details form. From this page, company can update worker's details and apply working permit for the worker.

For update worker's details function, company select the update worker detail button to update the worker details. Company click the save button to save the update details. If the information empty it will turn back to worker details update form. Otherwise, it will update data in worker table and back to worker list page.

For apply permit function, system will update the permit status become pending in the working permit table after the apply button was clicked.

If Company select the working permit list function, system will retrieve the working permit list from working permit table. Company can do searching for a specific working permit or choose from the working permit list. System will retrieve the permit details from working permit table and show in the worker permit form. After that, company can choose to renew the working permit by renew button.

Staff



Staff will enter the ID and password. System will retrieve data from login table and comparing the ID and password. If the ID and password are not matching, system will return to login page; if the compare ID and password is correct, system will show the home page.

There have two function button for staff.

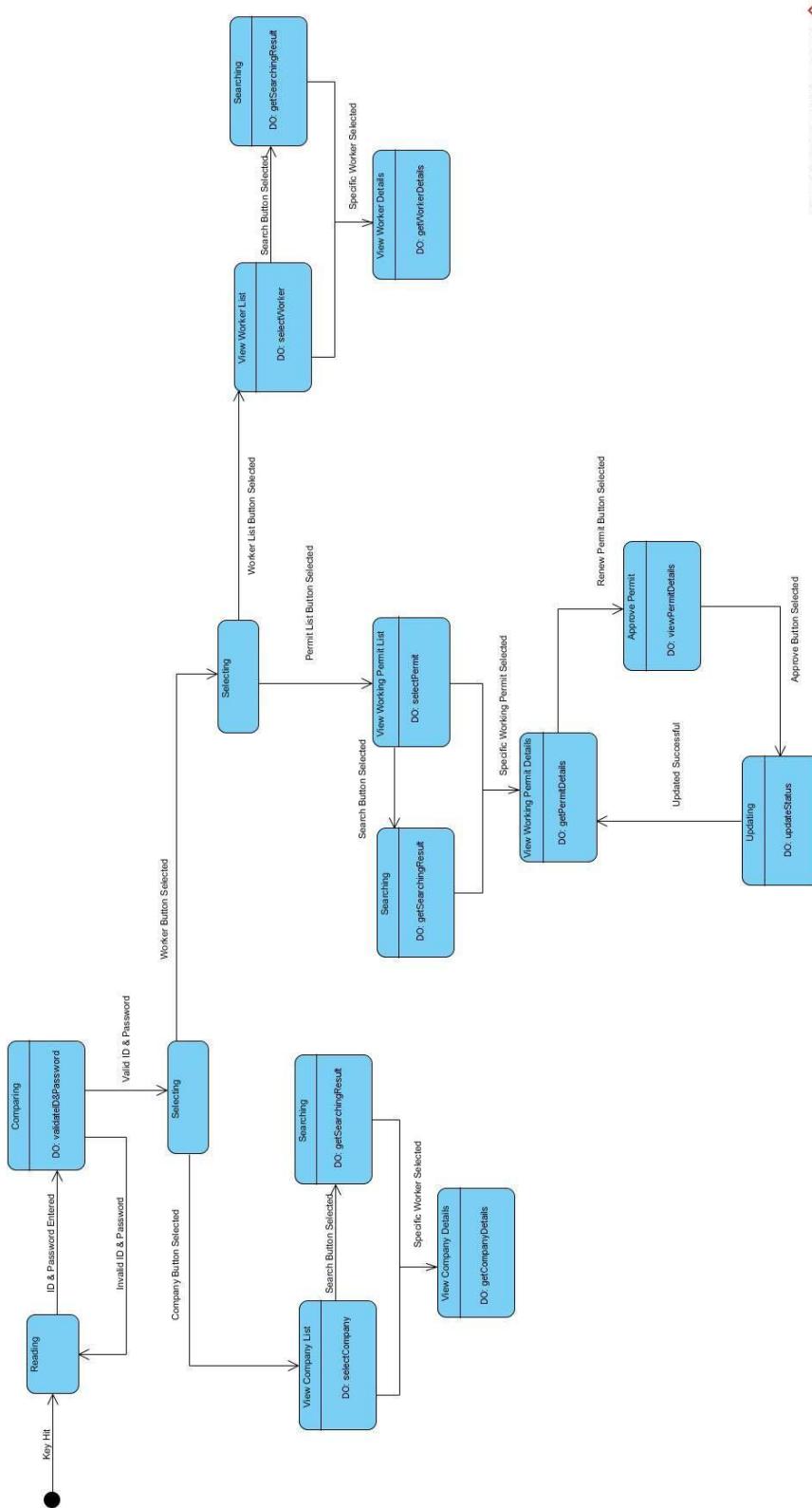
In the company button, system will retrieve the company list from company table. Staff can do searching for a specific company or choose from the company list. System will retrieve the company details from company table and show in the company details form. From this page, staff can update company's details. Staff select the update company detail button to update the company details. Staff click the save button to save the update details. If the information empty it will turn back to worker details update form. Otherwise, it will update data in company table and back to company list page.

In the worker button, staff can select the worker list function or working permit list function. For the worker list function, system will retrieve the worker list from worker table. Staff can do searching for a specific worker or choose from the worker list. System will retrieve the worker details from worker table and show in the worker details form. From this page, staff can update worker's details, staff insert the worker details to update the worker details. After that click the save button to save the update details. If the information empty it will turn back to worker details update form. Otherwise, it will update data in worker table and back to worker list page.

For the working permit list function, system will retrieve the working permit list from working permit table. Staff can do searching for a specific working permit or choose from the working permit list. System will retrieve the working permit details from working permit table and show in the working permit details form.

For renew permit function in working permit detail page, system will update the permit status become pending in the working permit table after the renew button was clicked.

Manager



Staff will enter the ID and password. System will retrieve data from login table and comparing the ID and password. If the ID and password are not matching, system will return to login page; if the compare ID and password is correct, system will show the home page.

There have two function button for staff.

In the company button, system will retrieve the company list from company table. Staff can do searching for a specific company or choose from the company list. System will retrieve the company details from company table and show in the company details form. From this page, staff can update company's details

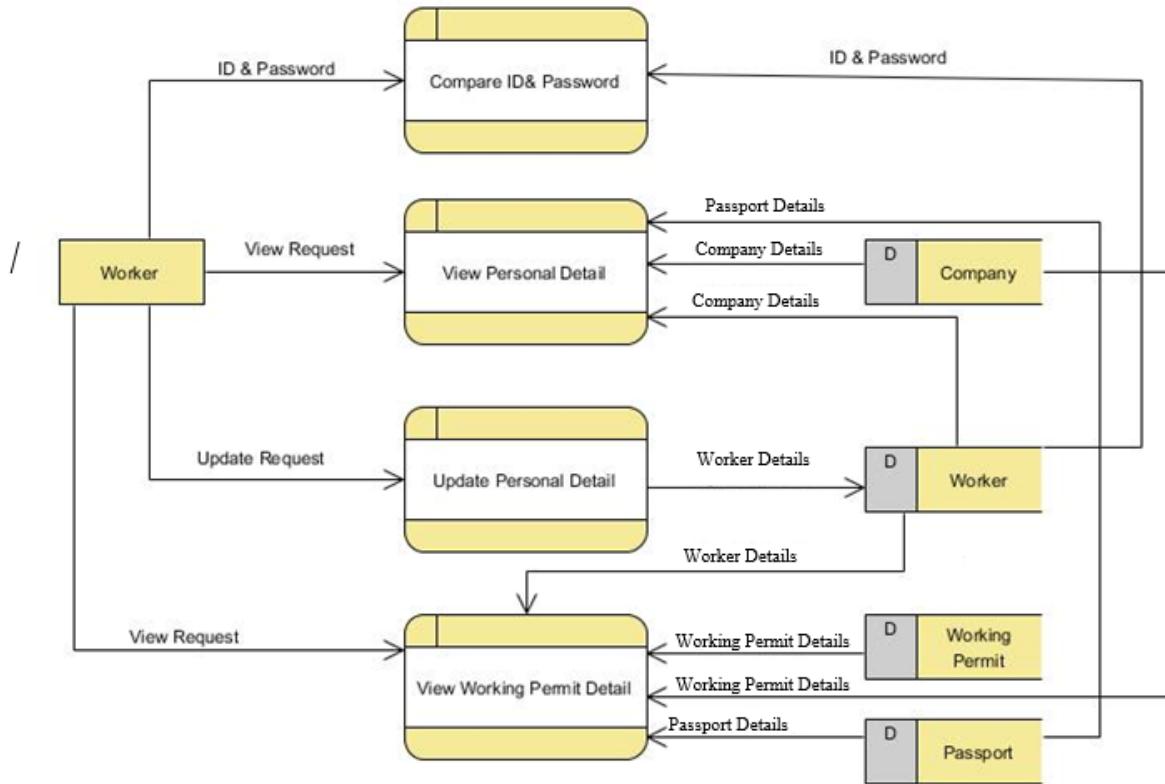
In the worker button, staff can select the worker list function or working permit list function. For the worker list function, system will retrieve the worker list from worker table. Staff can do searching for a specific worker or choose from the worker list. System will retrieve the worker details from worker table and show in the worker details form.

For the working permit list function, system will retrieve the working permit list from working permit table. Staff can do searching for a specific working permit or choose from the working permit list. System will retrieve the working permit details from working permit table and show in the working permit details form.

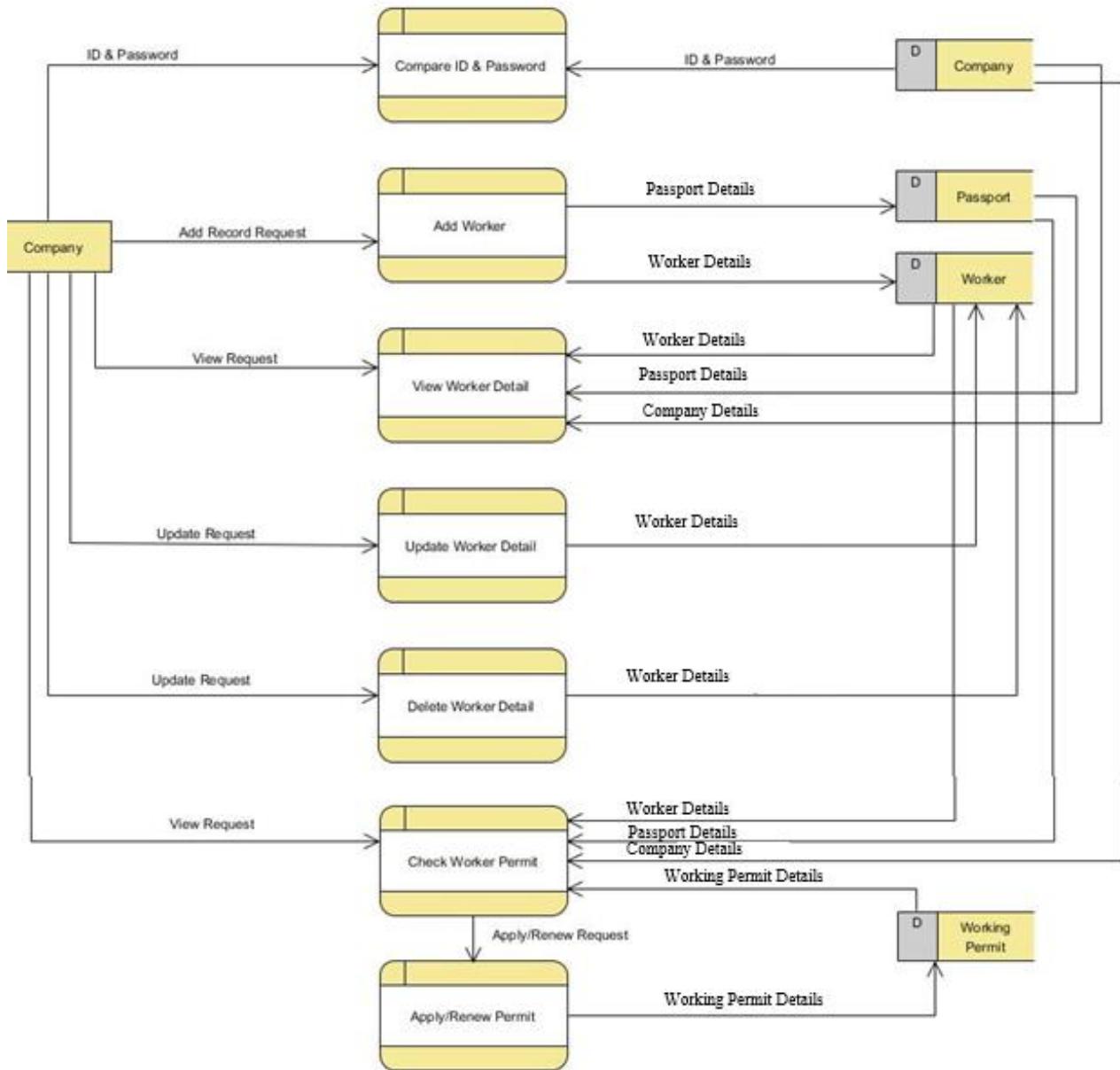
For approve permit function in working permit detail page, system will update the permit status become "Approve" in the working permit table after the approve button was clicked.

5.2 Data Flow Diagrams

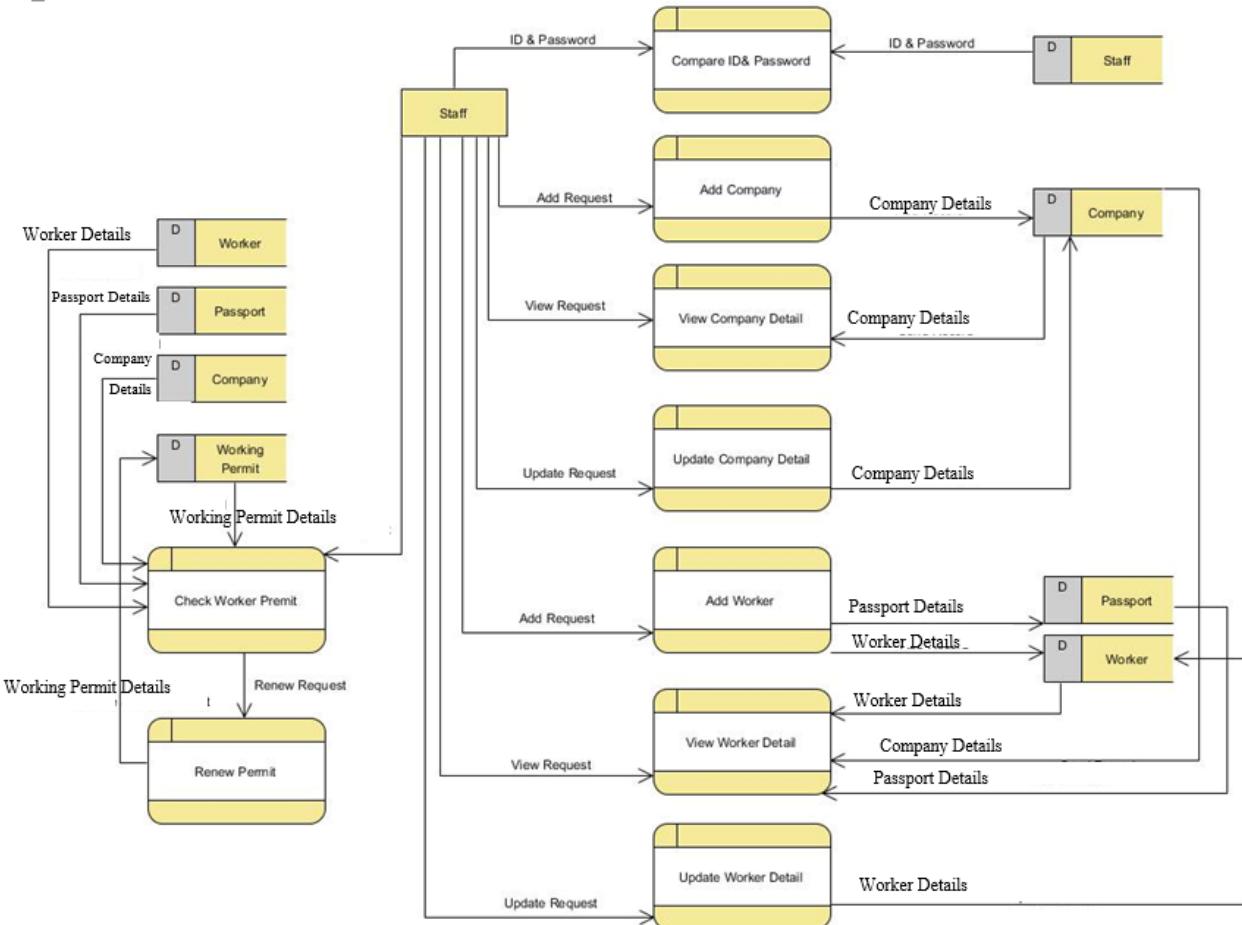
Worker (Level 0)

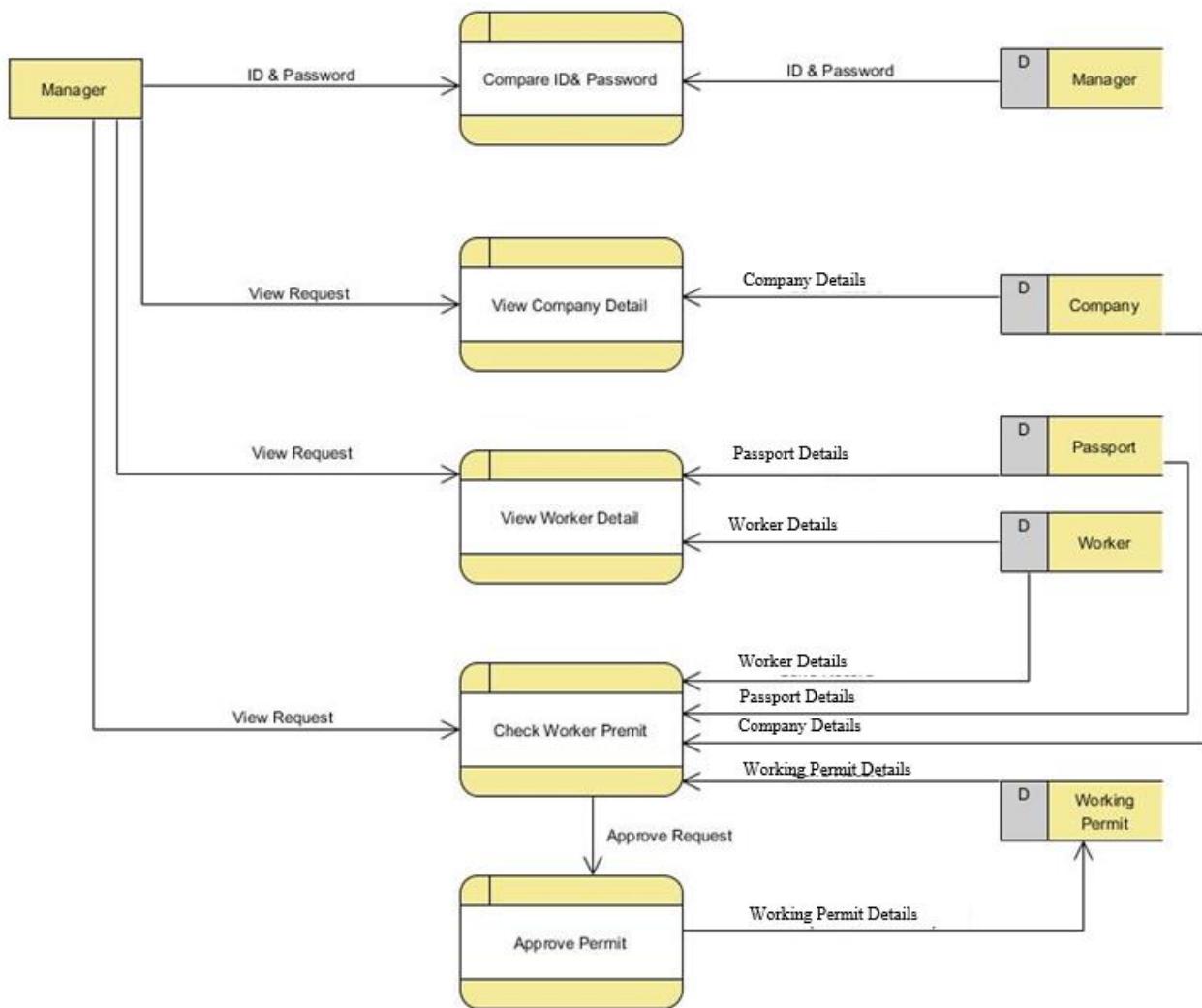


Company (Level 0)



Staff (Level 0)



Manager (Level 0)

6 Other Requirements

<This section is **Optional**. Define any other requirements not covered elsewhere in the SRS. This might include database requirements, internationalization requirements, legal requirements, reuse objectives for the project, and so on. Add any new sections that are pertinent to the project.>

7 Data Design

7.1 Data Dictionary

Worker

ID	AutoNumber
Worker_ID	Text
Fname	Text
Lname	Text
DOB	Date/Time
Gender	Text
Nationality	Text
Address	Text
Tel	Text
Email	Text
Status	Text
Company_ID	Text
Passport_No	Text

This Worker Table store and display the worker detail. The attributes (Worker_ID, Fname, Lname ,DOB ,Gender ,Nationality ,Address ,Tel ,Email ,Status) store worker personal detail. (Company_ID,Passport_No) Used to identify this worker belong to which passport and company.

Company

ID	AutoNumber
Company_ID	Text
CName	Text
Address	Text
Fax	Text
Tel	Text
Email	Text
CompanyNo	Text

This Company Table store and display the company detail. The attributes (Company_ID ,CName ,Address ,Fax ,Tel ,Email , CompanyNo) store company personal detail.

Staff

ID	AutoNumber
Staff_ID	Text
Fname	Text
Lname	Text
DOB	Date/Time
Gender	Text
Nationality	Text
Address	Text
Tel	Text
Email	Text
Role	Text

This Staff Table store and display the staff and manager detail. The attributes (Staff_ID ,Fname , Lname ,DOB ,Gender ,Nationality ,Address ,Tel ,Email ,Role) store company personal detail. (Role) used to identify the position for this staff who is staff or manager.

Passport

ID	AutoNumer
Passport_No	Text
Nationality	Text
DOB	Date/Time
Gender	Text
DateOfIssue	Date/Time
IdentityNO	Text
placeOfBirth	Text
Height	Text
DateOfExpiry	Date/Time
Type	Text
CountryCode	Text
IssuringOffice	Text
Worker_ID	Text

This Passport Table store and display the worker's passport detail. The attributes (Passport_No ,Nationality ,DOB ,Gender ,DateOfIssue ,IdentityNO ,placeOfBirth ,Height ,DateOfExpiry ,Type ,CountryCode ,IssuringOffice) store worker's personal detail. (Worker_ID) used to identify this password for which worker.

Login

ID	AutoNumber
User_ID	Text
User_Password	Text
Role	Text
Status	Number

This Login Table store the user's login detail. The attributes (User_ID ,User_Password ,Role ,Status) store user's login detail. (User_ID ,User_Password) used to validate the user when user login. (Role) used to identify this user is belong to which role. (Status) used to identify this user can login or not.

WorkingPremit

ID	AutoNumber
WorkerPermit_ID	Text
StartDate	Date/Time
EndDate	Date/Time
Status	Text
Worker_ID	Text
Company_ID	Text
Staff_ID	Text
Passport_No	Text

This WorkingPremit Table store and display the worker's WorkingPremit detail. The attributes (WorkerPermit_ID ,StartDate ,EndDate ,Status) store worker's WorkingPremit detail. (Worker_ID) used to identify this WorkingPremit for which worker. (Company_ID) used to identify this WorkingPremit for which worker belong to which company. (Staff_ID) used to identify this WorkingPremit approved by which manager. (Passport_No) used to identify this working permit can be apply or not.

HomePage_Path

ID	AutoNumber
Role	Text
HomePage_Path	Text

This HomePage_Path Table store the user's role homepage_Path detail. The attributes (Role,Homepage_Path) used to provide the homepagepath after user login validate successful.

7.2 Data Structures

7.2.1 Data Structure (Worker Table)

<i>Worker</i>	
<i>PK</i>	
	<i>ID</i>
	<i>Worker_ID</i>
	<i>FName</i>
	<i>LName</i>
	<i>DOB</i>
	<i>Gender</i>
	<i>Nationality</i>
	<i>Address</i>
	<i>Tel</i>
	<i>Email</i>
	<i>Status</i>
	<i>Company_ID</i>
	<i>Passport_No</i>

7.2.2 Data Structure 2 (Company Table)

<i>Company</i>	
<i>PK</i>	
	<i>ID</i>
	<i>Company_ID</i>
	<i>CName</i>
	<i>Address</i>
	<i>Tel</i>
	<i>Fax</i>
	<i>Email</i>
	<i>CompanyNo</i>

7.2.3 Data Structure 3 (Staff Table)

<i>Staff</i>	
<i>PK</i>	
	<i>ID</i>
	<i>Staff_ID</i>
	<i>FName</i>
	<i>LName</i>
	<i>DOB</i>
	<i>Gender</i>
	<i>Nationality</i>
	<i>Address</i>
	<i>Tel</i>
	<i>Email</i>
	<i>Role</i>

7.2.4 Data Structure 4 (Passport Table)

<i>Passport</i>	
<i>PK</i>	
	<i>ID</i>
	<i>Passport_ID</i>
	<i>Nationality</i>
	<i>DOB</i>
	<i>Gender</i>
	<i>DateOfBirth</i>
	<i>Height</i>
	<i>DateOfExpiry</i>
	<i>Type</i>
	<i>CountryCode</i>
	<i>IssuingOffice</i>
	<i>Worker_ID</i>

7.2.5 Data Structure 5 (WorkingPermit Table)

<i>WorkingPermit</i>	
<i>PK</i>	
	<i>ID</i>
	<i>WorkingPermit_ID</i>
	<i>StartDate</i>
	<i>EndDate</i>
	<i>Status</i>
	<i>Worker_ID</i>
	<i>Company_ID</i>
	<i>Staff_ID</i>

7.2.6 Data Structure 6 (Login Table)

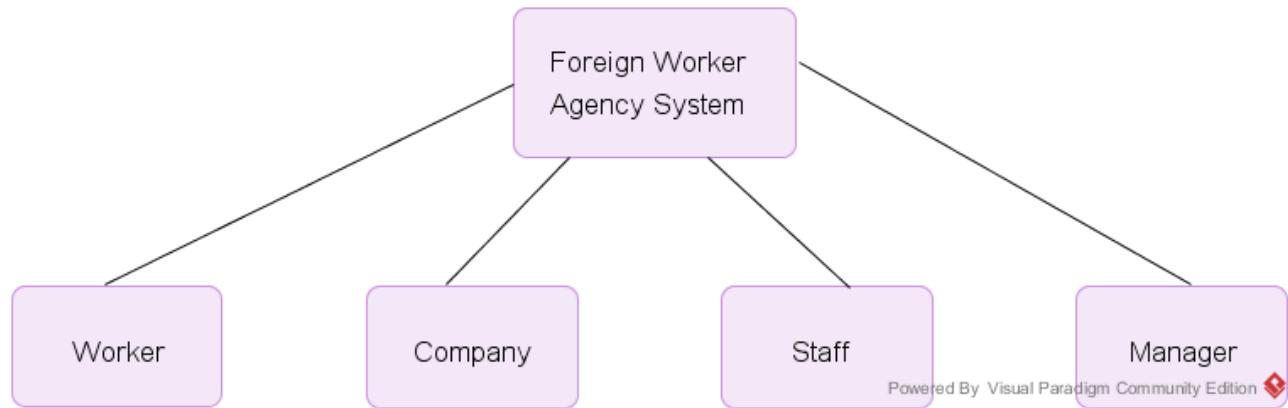
<i>WorkingPermit</i>	
<i>PK</i>	
	<i>ID</i>
	<i>User_ID</i>
	<i>User_Password</i>
	<i>Role</i>
	<i>Status</i>

7.2.7 Data Structure 7 (HomePage Table)

<i>HomePage</i>	
<i>PK</i>	
	<i>ID</i>
	<i>Role</i>
	<i>HomePage_Path</i>

8 Architecture Design

8.1 Software Architecture

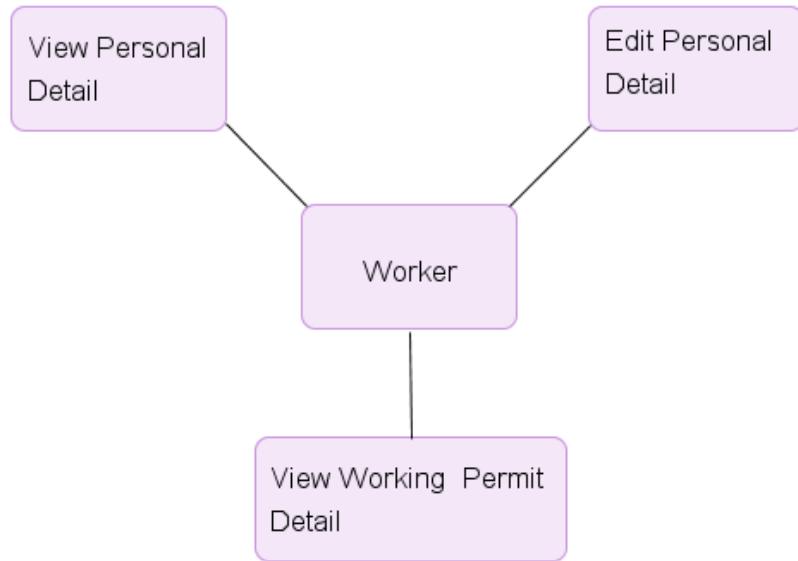


Base on our Project Requirement have 4 major user role which is Worker ,Company ,Staff and Manager.

Each of them having different function to help them to conduct their work. So, the top one is the whole System Architecture that we separate it into 4 subsystem role. In order to, assign for our team member.

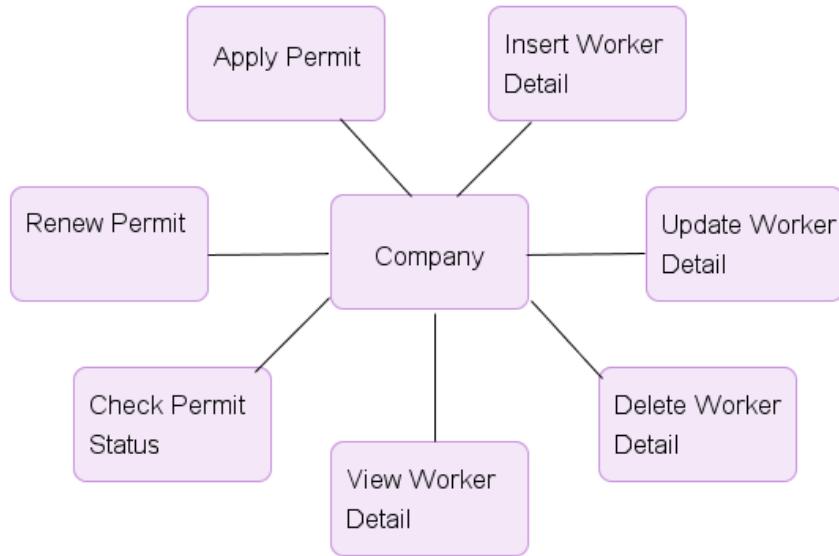
After that we once again separate it into several subsystem achitecture base on require function.

8.1.1 Subsystem 1 (Worker)



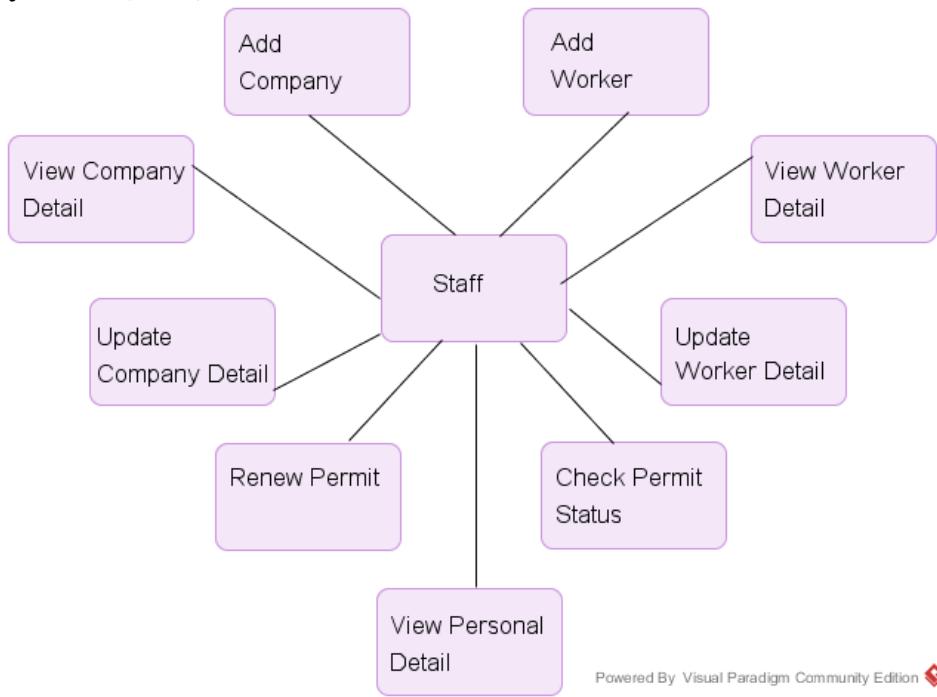
The 1st Subsystem architecture is worker which have 3 major function base on the project requirement.

8.1.2 Subsystem 2 (Company)



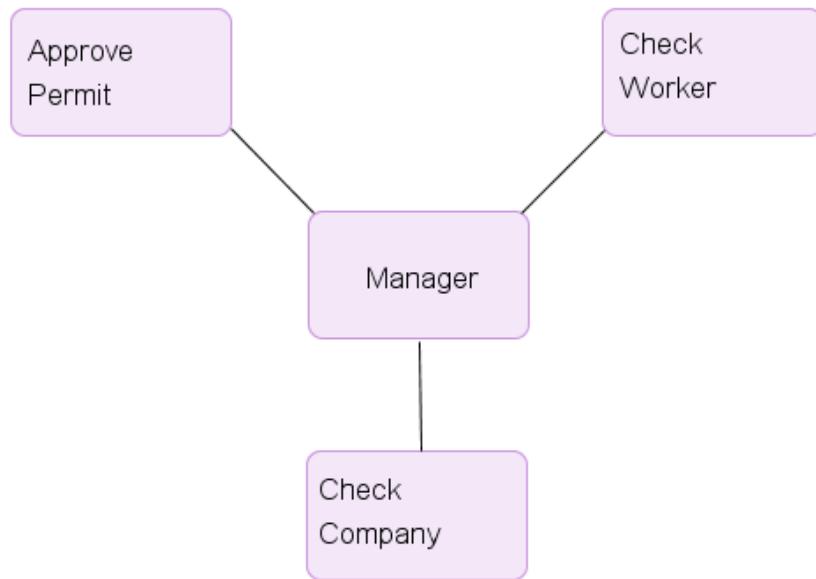
The 2nd Subsystem architecture is company which have 7 major function base on the project requirement.

8.1.3 Subsystem 3 (Staff)



The 3rd Subsystem architecture is staff which have 9 major function base on the project requirement.

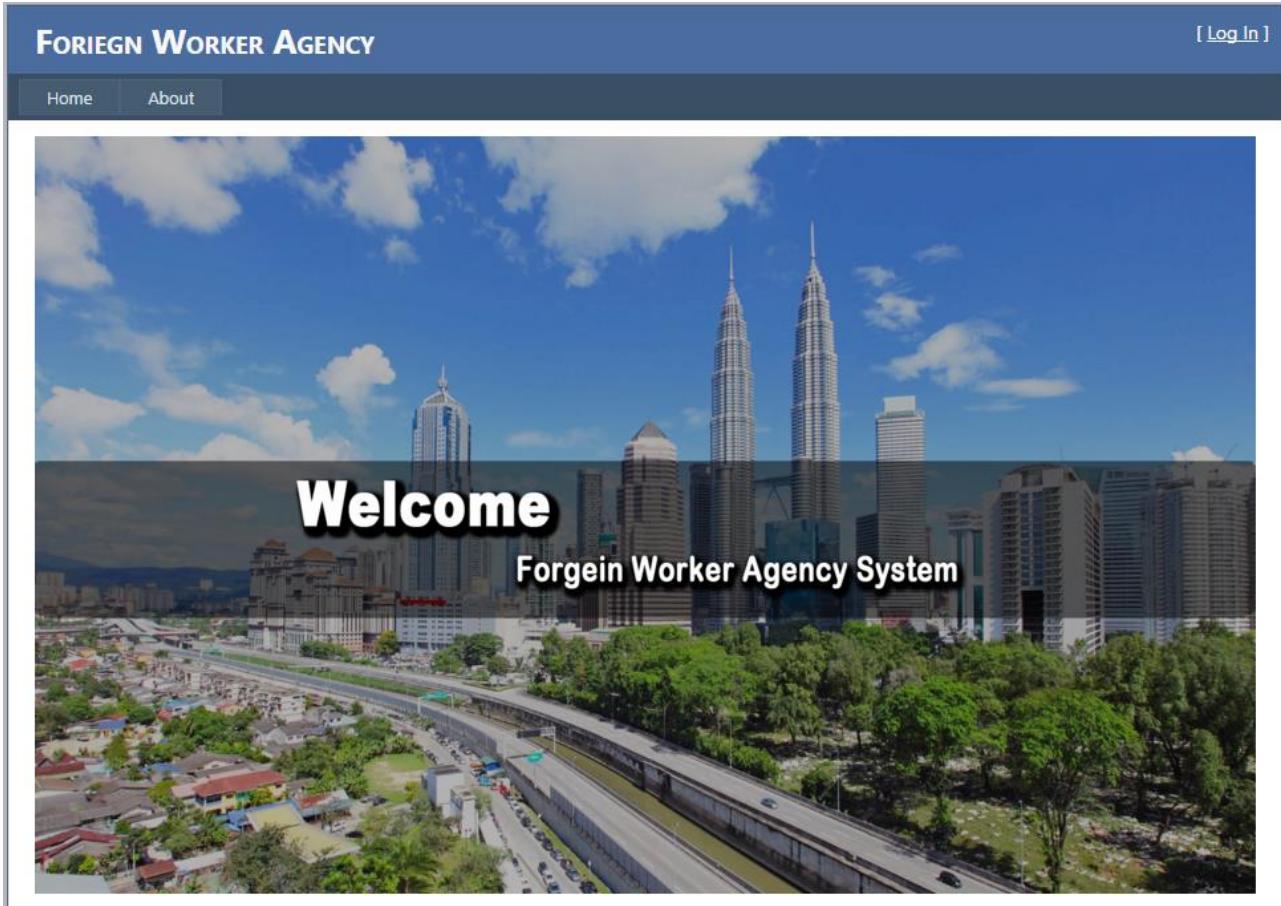
8.1.4 Subsystem 4 (Manager)



The 4th Subsystem architecture is manager which have 3 major function base on the project requirement.

9 Interface Design

9.1 Main Screens



This Main Screen show our System Home Page. User can login by click Log In label at the right top ont the main screen. After login successful, the web page will proceed to their role homepage.

9.2 Subsystem 1 Screens (Worker)

FOREIGN WORKER AGENCY

Welcome WK2! [[Log Out](#)]

Account	My Working Permit		
---------	-------------------	--	--

My PROFILE

My Information

Worker ID	WK2	Gender	Male
First Name	Ivan	Last Name	Fang
DOB	23/2/1994	Nationality	Malaysia
Address	13,Jalan Meranti		
Tel	+60142794574	Email	siawtungfang@gmail.com

My Passport

Name	Ivan Fang	Passport No	A123123809
Nationality	Malaysia	Country Code	60
Identify No	werwer	Type	PA
Date of Birth	2/1/1957	Place of Birth	123
Gender	Male	Height	178
Date of Issue	14/9/2016	Date of Expiry	16/9/2018
Issue Office	Segamat		

[Edit Profile](#)

This is Worker View Personal Detail function Screen. It will retrieve detail from database and show in the textfield. Worker can click Edit Profile Button to proceed to next Edit Personal Detail function Screen.

FOREIGN WORKER AGENCY

Welcome WK2! [Log Out]

Account My Working Permit

EDIT PROFILE

My Information

Worker ID	WK2	Gender	Male
First Name	Ivan	Last Name	Fang
DOB	23/2/1994	Nationality	Malaysia
Address	13,Jalan Meranti		
Tel	+60142794574	Email	siawtungfang@gmail.com

This is Worker Edit Personal Detail function Screen. It will retrieve detail from database and show in the textfield. Worker can Insert new Information and click Save Button to Save their new information. Click Back Button to jump Back to the Viw Personal Detail function screen.

FOREIGN WORKER AGENCY
 Welcome WK2! [Log Out]

[Account](#) [My Working Permit](#)

My WORKING PERMIT

Worker Information

Worker ID	WK2		
First Name	Ivan	Last Name	Fang
Passport No	A123123809		
Date Of Issue	14/9/2016	Date Of Expire	16/9/2018

Company Information

Company ID	CPN1	Registration No	1019185-A
Name	ABC SDN BHD		
Address	110,TAMAN NILAI,JALAN 1,50400 KUALA LUMPUR, MALAYSIA		
Tel	(603) 2161-8888	Fax	(603) 2161-2393
Email	ABC@abc.com		

Working Permit Information

Working Permit ID		Date Of Apply	
Date Of Issue		Date Of Expire	
Status			
Approved By			
Staff ID			
First Name		Last Name	

This is Worker View Working Permit function Screen. It will retrieve detail from database and show in the textfield. Worker can view the company detail and working permit detail.

9.3 Subsystem 2 Screens (Company)

The screenshot shows a web-based application interface for a 'FORIEGN WORKER AGENCY'. At the top, there is a blue header bar with the agency's name. On the right side of the header, it says 'Welcome CPN1! [Log Out]'. Below the header, there is a navigation menu with three items: 'Home', 'Worker', and 'Permit'. Underneath the menu, the text '...COMPANY PROFILE...' is displayed. The main content area contains a table titled 'Company Profile' with eight rows. The table includes fields for Company ID, Password, Company Number, Name, Address, Contact, Fax, and Email. The 'Address' field contains a detailed address: '110,TAMAN NILAI,JALAN 1,50400 KUALA LUMPUR, MALAYSIA'. At the bottom of the table is a 'Cancel' button.

Company Profile	
Company ID:	CPN1
Password:	123
Company Number:	1019185-A
Name:	ABC SDN BHD
Address:	110,TAMAN NILAI,JALAN 1,50400 KUALA LUMPUR, MALAYSIA
Contact:	(603) 2161-8888
Fax:	(603) 2161-2393
Email:	ABC@abc.com

This is Company View Company Detail function Screen. It will retrieve detail from database and show in the textfield. Company can click Cancel Button to jump back to Company HomePage.

FORIEGN WORKER AGENCY

Welcome CPN1! [[Log Out](#)]

[Home](#) | [Worker](#) | [Permit](#)

...NEW WORKER DETAIL...

Worker Login Details

Worker ID:	WK31
Password:	WK31@123123

Worker Details

First Name:	<input type="text"/>		
Last Name:	<input type="text"/>		
Date Of Birth:	---Year--- ▾ ---Month--- ▾ ---Day--- ▾	Gender:	<input type="radio"/> Male <input checked="" type="radio"/> Female
Address:	<input type="text"/>		
Nationality:	<input type="text"/>		
Email:	<input type="text"/>	No.Telphone:	<input type="text"/>
Company ID:	CPN1		
Status:	Hire <input type="button" value="Edit"/>		

Worker Passport Details

Passport ID:	<input type="text"/>		
Identity Number:	<input type="text"/>		
Date Of Issue:	---Year--- ▾ ---Month--- ▾ ---Day--- ▾	Date Of Expired:	---Year--- ▾ ---Month--- ▾ ---Day--- ▾
Place Of Issue:	<input type="text"/>		
Country Code:	<input type="text"/>		
Type:	<input type="text"/>		
Height	<input type="text"/>		
Place Of Birth:	<input type="text"/>		

This is Company Add Worker function Screen. Company can insert the worker detail and click Submit Button to save new Worker. Click Cancel to jump back to Company HomePage.

FORIEGN WORKER AGENCY

Welcome CPN1! [Log Out]

Home Worker Permit

UPDATE WORKER

SEARCH WORKER DETAIL

SEARCH:

Worker ID	FName	LName	Nationality	Status	Update
WK2	Ivan	Fang	Malaysia	Hire	<input type="button" value="Update"/>
WK29	321	2212	123	Hire	<input type="button" value="Update"/>
WK30	SiawT789	897897	Malaysia	Hire	<input type="button" value="Update"/>

This is Company Update Worker function Screen. Company can click Select button in the update worker list in order to proceed to Update Worker function form screen and update the selected worker detail.

FORIEGN WORKER AGENCY

Welcome CPN1! [Log Out]

[Home](#) [Worker](#) [Permit](#)

...UPDATE WORKER DETAIL...

Worker Login Details

Worker ID:	WK2
Password:	<input type="password" value="123"/>

Worker Details

First Name:	<input type="text" value="Ivan"/>	
Last Name:	<input type="text" value="Fang"/>	
Date Of Birth:	1994 <input type="text" value="February"/> <input type="text" value="23"/>	Gender: <input checked="" type="radio"/> Male <input type="radio"/> Female
Address:	<input type="text" value="13,Jalan Meranti"/>	
Nationality:	<input type="text" value="Malaysia"/>	
Email:	<input type="text" value="siawtungfang@gmail.com"/>	No.Tel/Phone: <input type="text" value="+60142794574"/>
Company ID:	<input type="text" value="CPN1"/>	
Status:	<input type="text" value="Hire"/>	

Worker Passport Details

Passport ID:	A123123809		
Identity Number:	werwer		
Date Of Issue:	2016 <input type="text" value="September"/> <input type="text" value="14"/>	Date Of Expired:	2018 <input type="text" value="September"/> <input type="text" value="16"/>
Place Of Issue:	<input type="text" value="Segamat"/>		
Country Code:	60	Height	<input type="text" value="178"/>
Type:	<input type="text" value="PA"/>		
Place Of Birth:	<input type="text" value="123"/>		

[<](#)

This is Company Update Worker function from screen .Company can insert New information and click update to save. Click Cancel Button to jump back Company Home Page.

FORIEGN WORKER AGENCY

Welcome CPN1! [Log Out]

Home Worker Permit

DELETE WORKER

SEARCH WORKER DETAIL

SEARCH:

Worker ID	FName	LName	Nationality	Status	Delete
WK2	Ivan	Fang	Malaysia	Hire	<input type="button" value="Delete"/>
WK29	321	2212	123	Hire	<input type="button" value="Delete"/>
WK30	SiawT789	897897	Malaysia	Hire	<input type="button" value="Delete"/>

This is Company Delete Worker function Screen. Company can click Select button in the delete worker list in order to proceed to Delete Worker function form screen and delete the selected worker detail.

FORIEGN WORKER AGENCY

Welcome CPN1! [Log Out]

Home Worker Permit

...DELETE WORKER DETAIL...

Worker Login Details

Worker ID:	WK2
Password:	123

Worker Details

First Name:	Ivan		
Last Name:	Fang		
Date Of Birth:	23/2/1994	Gender:	Male
Address:	13,Jalan Meranti		
Nationality:	Malaysia		
Email:	siawtungfang@gmail.com		
Company ID:	CPN1		
Status :	Hire		

Worker Passport Details

Passport ID:	A123123809		
Identity Number:	werwer		
Date Of Issue:	Segamat	Date Of Expired:	14/9/2016
Place Of Issue:	16/9/2018	Height	178
Country Code:	60	Place Of Birth:	123
Type:	PA		

Delete **Cancel**

This is Company Delete Worker function Screen. Company can click Delete Button to update the Worker Status.

FORIEGN WORKER AGENCY

Welcome CPN1! [Log Out]

Home Worker Permit

VIEW WORKER

SEARCH WORKER DETAIL

SEARCH:

Worker ID	FName	LName	Nationality	Status	View
WK30	SiauwT789	897897	Malaysia	Hire	<input type="button" value="View"/>
WK29	321	2212	123	Hire	<input type="button" value="View"/>
WK2	Ivan	Fang	Malaysia	Hire	<input type="button" value="View"/>

This is Company View Worker function Screen. Company can click Select button in the View worker list in order to proceed to View Worker function form screen and View the selected worker detail.

FORIEGN WORKER AGENCY

Welcome CPN1! [Log Out]

Home Worker Permit

... View Worker Detail...

Worker Login Details

Worker ID:	WK30
Password:	WK30@123123

Worker Details

First Name:	SiawT789		
Last Name:	897897		
Date Of Birth:	3/1/1957	Gender:	Female
Address:	13,Jalan Meranti		
Nationality:	Malaysia		
Email:	siawtungfang@gmail.com		
Company ID:	CPN1		
Status :	Hire		

Worker Passport Details

Passport ID:	asdasd		
Identity Number:	9401230809123		
Date Of Issue:	Segamat	Date Of Expired:	17/10/2012
Place Of Issue:	16/11/2016	Height	178
Country Code:	Malaysia	Place Of Birth:	123
Type:	werwer		

Cancel

This is Company View Worker function Screen. Company can click Cancel Button the jump back to Company Home Page.

FORIEGN WORKER AGENCY

Welcome CPN1! [Log Out]

Home | Worker | Permit

PERMIT DETAIL

SEARCH WORKER DETAIL

SEARCH:

Worker ID	FName	LName	Nationality	Status	Apply
WK2	Ivan	Fang	Malaysia	Hire	<button>Apply</button>
WK29	321	2212	123	Hire	<button>Apply</button>
WK30	SiawT789	897897	Malaysia	Hire	<button>Apply</button>

This is Company Apply WorkingPermit function Screen. Company can click Apply button in the Apply Premit list in order to proceed to Apply Working permit function form screen.

FORIEGN WORKER AGENCY

Welcome CPN1! [Log Out]

Home Worker Permit

...APPLY PERMIT...

Worker Details

Worker ID:	WK2
Password:	123
First Name:	Ivan
Last Name:	Fang
Date Of Birth:	23/2/1994
Address:	13,Jalan Meranti
Nationality:	Malaysia
Email:	siawtungfang@gmail.com
Company ID:	CPN1
Status :	Hire
Gender:	Male
No.Telphone:	 +60142794574

Worker Passport Details

Passport ID:	A123123809
Identity Number:	werwer
Place Of Issue:	Segamat
Date Of Expired:	16/9/2018
Country Code:	60
Type:	PA
Date Of Issue:	14/9/2016
Height	178
Place Of Birth:	123

This is Company Apply Working Permit function Screen. Company can click Apply Button to applyWorking permit and the status will change to pending .Click Cancel Button the jump back to Company Home Page.

FORIEGN WORKER AGENCY

Welcome CPN1! [Log Out]

Home Worker Permit

CHECK / RENEW PERMIT

SEARCH WORKER DETAIL

SEARCH:

Worker ID	Worker Permit ID	FName	LName	Status	Check
WK2	PM622016125355	Ivan	Fang	Pending	<input type="button" value="Check"/>

This is Company Check/Renew WorkingPermit function Screen. Company can click Check button in the Chcek/Renew Premit list in order to proceed to Renew Working permit function form screen.

FORIEGN WORKER AGENCY
 Welcome CPN1! [Log Out]

[Home](#) | [Worker](#) | [Permit](#)

...APPLY PERMIT...

Worker Details

Worker ID:	WK2	Gender:	Male
Password:	123	No. Telephone:	+60142794574
First Name:	Ivan		
Last Name:	Fang		
Date Of Birth:	23/2/1994		
Address:	13,Jalan Meranti		
Nationality:	Malaysia		
Email:	siawtungfang@gmail.com		
Company ID:	CPN1		
Status ID:	Hire		

Worker Passport Details

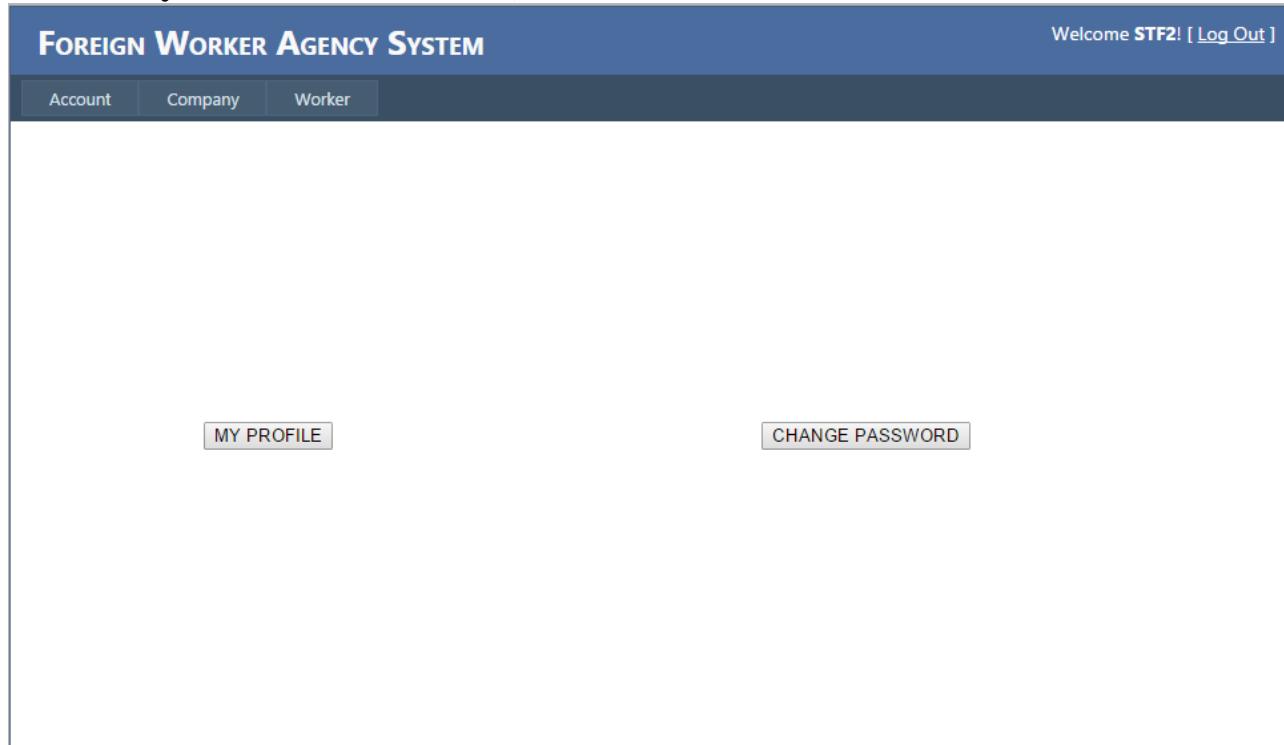
Passport ID:	A123123809	Date Of Issue:	14/9/2016
Identity Number:	werwer	Height	178
Place Of Issue:	Segamat	Place Of Birth:	123
Date Of Expired:	16/9/2018		
Country Code:	60		
Type:	PA		

Permit Details

Permit ID:	PM622016125355	Date Of Expire:	
Date Of Issue:			
Status:	Pending		

This is Company Check/Renew Working Permit function Screen. Company can click Renew Button to update the working Premit status to pending. Here u cant see renew button because of the status at pending state. So company can click cancel to jump back to Company HomePage.

9.4 Subsystem 3 Screens (Staff)



This is Staff Account function selectionScreen. Staff can click My profile button to view Personal detail, click change password to proceed to change password function screen.

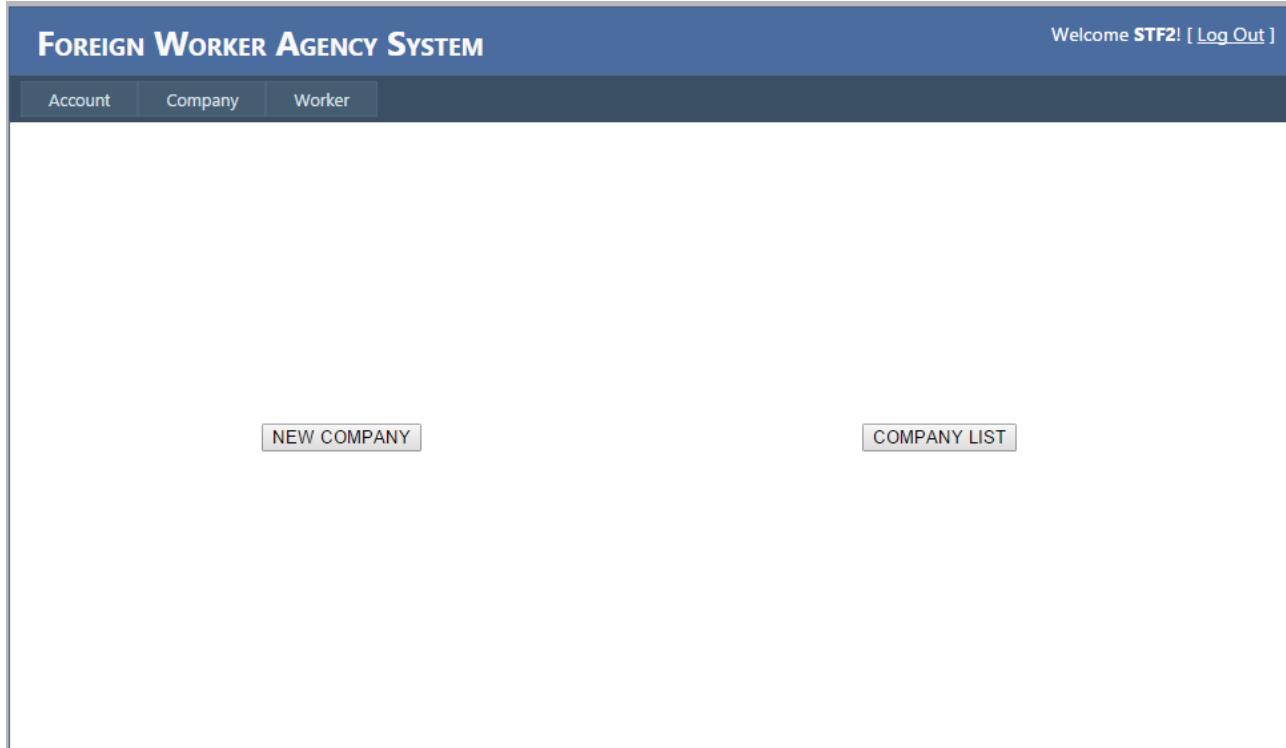
FOREIGN WORKER AGENCY SYSTEM

Welcome STF2! [Log Out]

Account Company Worker

My PROFILE	
Role	Staff
First Name	TEY
Last Name	LALA
DOB	1/7/1975
Gender	M
Nationality	MALAYSIA
Address	22,TAMAN ROSS,JALAN 22,50450 KUALA LUMPUR,MALAYSIA.
Tel	017-1122334
Email	TEYLALA@gmail.com

This is Staff View Personal function Screen. Staff can View Personal Detail .



This is Staff's Company function selection screen, Staff can click new company to proceed to add company function screen, and click companylist to proceed to view company list.

FOREIGN WORKER AGENCY SYSTEM

Welcome STF2! [Log Out]

Account Company Worker

NEW COMPANY

Company Registration Number

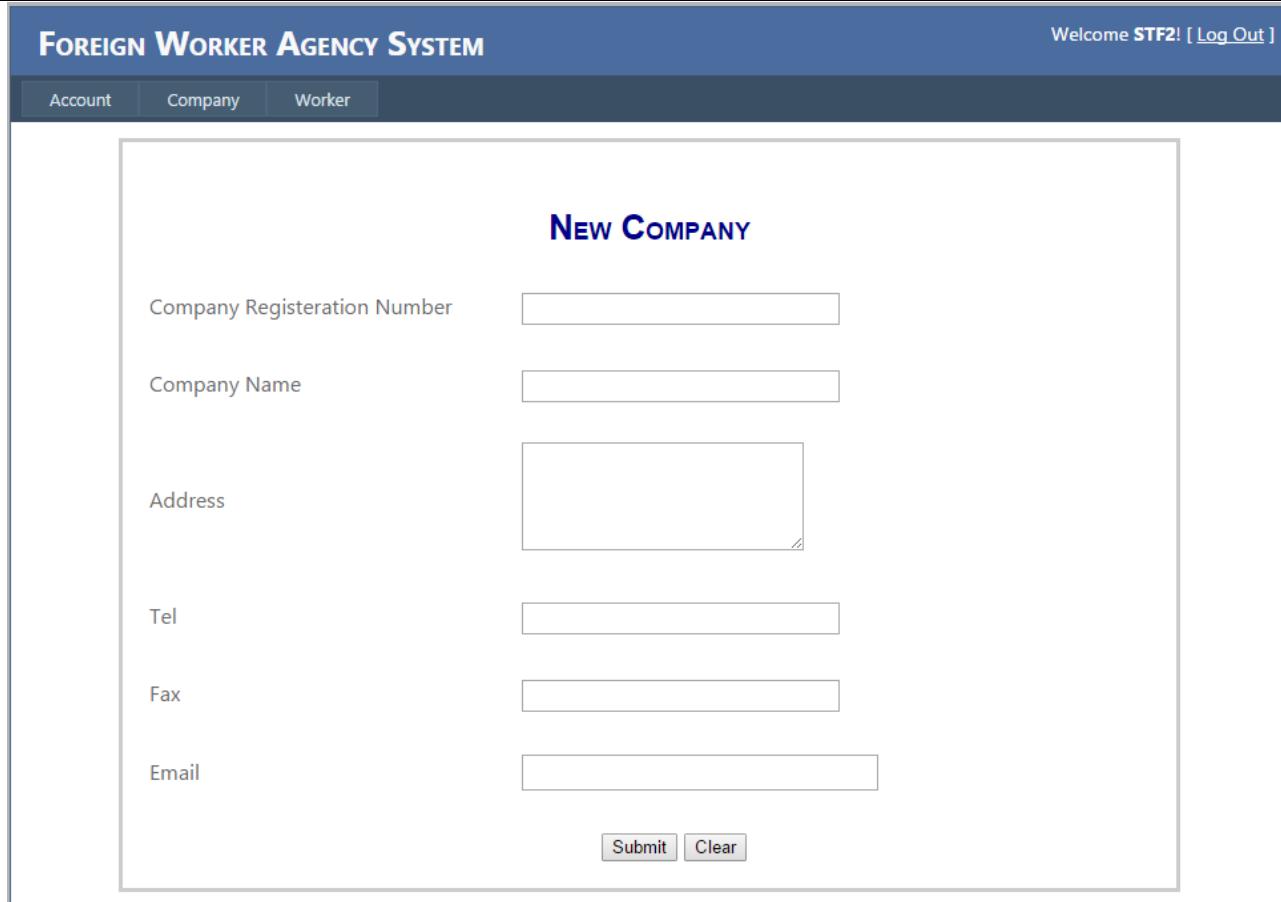
Company Name

Address

Tel

Fax

Email



This is Staff's Add New Company screen, Staff insert the new company can click submit button to save the new company.click clear to clear whole input field.

FOREIGN WORKER AGENCY SYSTEM

Welcome STF2! [Log Out]

Account Company Worker

COMPANY LIST

No.	Company ID	Company Registration Number	Company Name	View	Edit
1	CPN1	1019185-A	ABC SDN BHD	View	Edit
2	CPN2	13123	123	View	Edit

This is staff's view company list screen, Staff can click the view button to proceed to view company detail screen. And click edit button to proceed to edit company detail screen.

FOREIGN WORKER AGENCY SYSTEM

Welcome STF2! [Log Out]

Account Company Worker

COMPANY DETAILS	
Company ID	CPN1
Company Name	ABC SDN BHD
Password	123
Company Registratin No	1019185-A
Address	110,TAMAN NILAI,JALAN 1,50400 KUALA LUMPUR, MALAYSIA
Tel	(603) 2161-8888
Fax	(603) 2161-2393
Email	ABC@abc.com

[Back](#)

This is Staff's view Company Detail screen. Staff click Back button to jump back to Staff homepage.

FOREIGN WORKER AGENCY SYSTEM

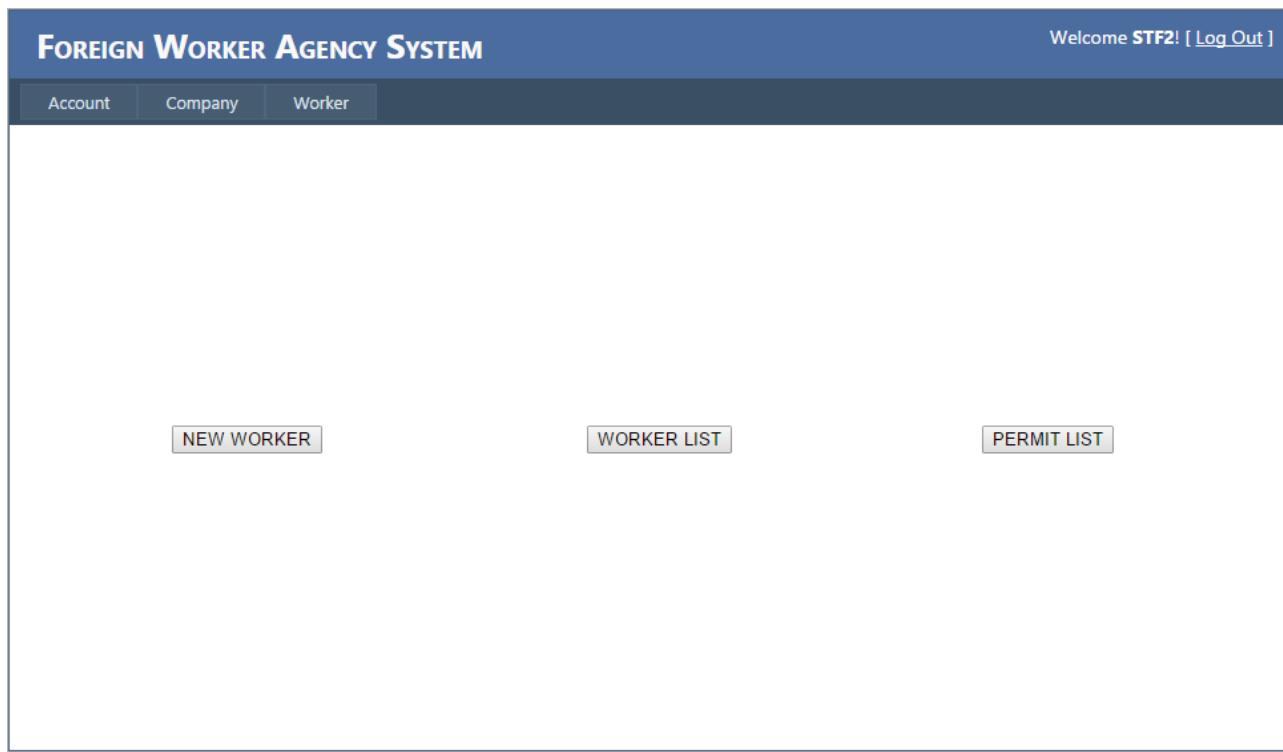
Welcome STF2! [Log Out]

Account Company Worker

NEW COMPANY

Company ID	CPN1
Company Registration Number	1019185-A
Company Name	ABC SDN BHD
Company Password	123
Address	110, TAMAN NILAI, JALAN 1,50400 KUALA LUMPUR, MALAYSIA
Tel	(603) 2161-8888
Fax	(603) 2161-2393
Email	ABC@abc.com

This is Staff's Edit Company screen , Staff can insert new information and click save button to edit the company detail.Click cancel button to jump back to view company list.



This is Staff's worker function selection screen. Staff can click new worker button to add new worker, click work list button to view the worker list, click permit list button to view worker permit detail.

FOREIGN WORKER AGENCY SYSTEM

Welcome STF2! [Log Out]

Account Company Worker

NEW WORKER

Worker Details

First Name	<input type="text"/>	Last Name	<input type="text"/>
DOB (DD/MM/YYYY)	<input type="text"/>	Gender	<input type="radio"/> Male <input type="radio"/> Female
Nationality	<input type="text"/>		
Address	<input type="text"/>		
Tel	<input type="text"/>	Email	<input type="text"/>
Company Name	<input type="text" value="ABC SDN BHD"/>		

Passport Details

Pasport Type	<input type="text"/>		
Passport No	<input type="text"/>	Nationality	<input type="text"/>
Gender	<input type="radio"/> Male <input type="radio"/> Female	Height	<input type="text"/>
DOB(DD/MM/YYYY)	<input type="text"/>	Place of Birth	<input type="text"/>
Date Of Issue (DD/MM/YYYY)	<input type="text"/>	Identity No	<input type="text"/>
Date Of Expiry (DD/MM/YYYY)	<input type="text"/>	Issuring Office	<input type="text"/>

This is Staff's add new Worker screen, Staff insert new worker and click submit to add new worker. Click clear to clear all the input field.

FOREIGN WORKER AGENCY SYSTEM

Welcome STF2! [Log Out]

Account Company Worker

WORKER LIST

No.	Worker ID	First Name	Last Name	Passport Number	Company ID	View	Edit
1	WK2	Ivan	Fang	A123123809	CPN1	View	Edit
2	WK29	321	2212	123213	CPN1	View	Edit
3	WK30	SiawT789	897897	asdasd	CPN1	View	Edit

This is Staff's view worker list screen, Staff can can view button to process to view worker detail screen .Click Edit button to proceed to the edit worker screen.

FOREIGN WORKER AGENCY SYSTEM
 Welcome STF2! [Log Out]

[Account](#) [Company](#) [Worker](#)

>WORKER DETAILS

Worker Details			
Worker ID	WK2	Password	123
First Name	Ivan	Last Name	Fang
DOB (DD/MM/YYYY)	23/2/1994	Gender	Male
Nationality	Malaysia		
Address	13,Jalan Meranti		
Tel	+60142794574	Email	siawtungfang@gmail.com
Company ID	CPN1	Working Status	Hire
Passport Details			
Pasport Type	PA		
Passport No	A123123809	Nationality	Malaysia
Gender	Male	Height	178
DOB(DD/MM/YYYY)	2/1/1957	Place of Birth	123
Date Of Issue (DD/MM/YYYY)	14/9/2016	Identity No	werwer
Date Of Expiry (DD/MM/YYYY)	16/9/2018	Issuring Office	Segamat

[Back](#)

This is Staff's View Worker detail screen , Staff can view worker detail and click back button to jump back to Staff HomePage.

FOREIGN WORKER AGENCY SYSTEM
 Welcome STF2! [Log Out]

[Account](#) [Company](#) [Worker](#)

UPDATE WORKER DETAILS

Worker Details			
Worker ID	WK2	Password	123
First Name	Ivan	Last Name	Fang
DOB (DD/MM/YYYY)	23/2/1994	Gender	Male
Nationality	Malaysia		
Address	13, Jalan Meranti		
Tel	+60142794574	Email	siawtungfang@gmail.com
Passport Details			
Pasport Type	PA		
Passport No	A123123809	Nationality	Malaysia
Gender	Male	Height	178
DOB(DD/MM/YYYY)	2/1/1957	Place of Birth	123
Date Of Issue (DD/MM/YYYY)	14/9/2016	Identity No	werwer
Date Of Expiry (DD/MM/YYYY)	16/9/2018	Issuring Office	Segamat
<input type="button" value="Save Changes"/> <input type="button" value="Cancel"/>			

This is Staff's Edit Worker detail screen , Staff can insert new detail and click save button to aave.click cancel button to jump back to Staff HomePage.

FOREIGN WORKER AGENCY SYSTEM

Welcome STF2! [Log Out]

Account Company Worker

PERMIT LIST

All Permit Approved Rejected Expired Pending

No.	Permit ID	Worker ID	Due Date	Status	View
1	PM622016125355	WK2		Pending	<input type="button" value="View"/>

This is Staff's view working permit list screen, Staff can click View button to process to view working permit detail screen.

FOREIGN WORKER AGENCY SYSTEM				Welcome STF2! Log Out
Account	Company	Worker		
WORKER PERMIT				
Permit Details				
Permit ID	PM622016125355			
Start Date		End Date		
Status	Pending			
Worker Details				
First Name	Ivan	Last Name	Fang	
DOB (DD/MM/YYYY)	23/2/1994	Gender	Male	
Nationality	Malaysia			
Address	13,Jalan Meranti			
Tel	+60142794574	Email	siawtungfang@gmail.com	
Passport Details				
Pasport Type	PA			
Passport No	A123123809	Nationality		
Gender	Male	Height	178	
DOB(DD/MM/YYYY)	2/1/1957	Place of Birth	123	
Date Of Issue (DD/MM/YYYY)	14/9/2016	Identity No	werwer	
Date Of Expiry (DD/MM/YYYY)	16/9/2018	Issuring Office	Segamat	
<input type="button" value="Back"/>		<input type="button" value="Renew"/>		

This is Staff's view working permit screen , Staff can click renew button to update the working permit status to pending and click Back button to jump back to Staff HomePage.

9.5 Subsystem 4 Screens (Manager)

FORIEGN WORKER AGENCY

Welcome MNG1! [Log Out]

Change Password View Worker Info View Company Info Approve Permit

WORKER DETAILS

No.	Worker ID	First Name	Last Name	Company ID	View
1	WK2	Ivan	Fang	CPN1	<input type="button" value="View"/>
2	WK29	321	2212	CPN1	<input type="button" value="View"/>
3	WK30	SiawT789	897897	CPN1	<input type="button" value="View"/>

This is manager view workers list screen. Manager clicks the view button and show worker details form and to view the worker details.

FORIEGN WORKER AGENCY

Welcome MNG1! [Log Out]

[Change Password](#) | [View Worker Info](#) | [View Company Info](#) | [Approve Permit](#)

Worker Details			
Worker ID	WK2	Password	123
First Name	Ivan	Last Name	Fang
DOB (DD/MM/YYYY)	23/2/1994	Gender	Male
Nationality	Malaysia		
Address	13,Jalan Meranti		
Tel	S +60142794574	Email	siawtungfang@gmail.com
Company ID	CPN1	Working Status	Hire
Passport Details			
Pasport Type	PA		
Passport No	A123123809	Nationality	Malaysia
Gender	Male	Height	178
DOB(DD/MM/YYYY)	2/1/1957	Place of Birth	123
Date Of Issue (DD/MM/YYYY)	14/9/2016	Identity No	wewwer
Date Of Expiry (DD/MM/YYYY)	16/9/2018	Issuring Office	Segamat
Back			

This is the worker form screen show to manager the worker details. Manager clicks the back button and return back to the worker details list.

FORIEGN WORKER AGENCY

Welcome MNG1! [[Log Out](#)]

[Change Password](#) [View Worker Info](#) [View Company Info](#) [Approve Permit](#)

COMPANY LIST

No.	Company ID	Company Name	View
1	CPN1	ABC SDN BHD	View
2	CPN2	123	View

This is manager view the company list screen. Manager clicks the view button and show the company details form and to view the company details.

FORIEGN WORKER AGENCY

Welcome MNG1! [[Log Out](#)]

[Change Password](#) [View Worker Info](#) [View Company Info](#) [Approve Permit](#)

COMPANY DETAILS	
Company ID	CPN1
Company Name	ABC SDN BHD
Password	123
Company Registratin No	1019185-A
Address	110,TAMAN NILAI,JALAN 1,50400 KUALA LUMPUR, MALAYSIA
Tel	(603) 2161-8888
Fax	(603) 2161-2393
Email	ABC@abc.com

[Back](#)

This is the company form screen show to manager the company details. Manager clicks the back button and return back to the company details list.

FORIEGN WORKER AGENCY

Welcome MNG1! [[Log Out](#)]

[Change Password](#) [View Worker Info](#) [View Company Info](#) [Approve Permit](#)

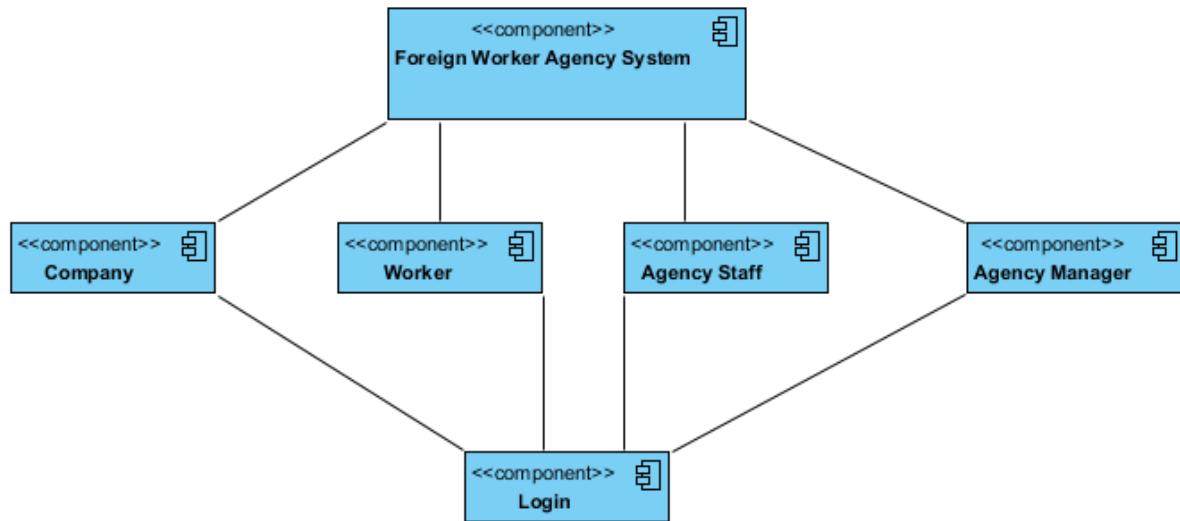
PERMIT LIST

No.	Permit ID	Worker ID	Due Date	Status	View
1	PM622016125355	WK2		Pending	View

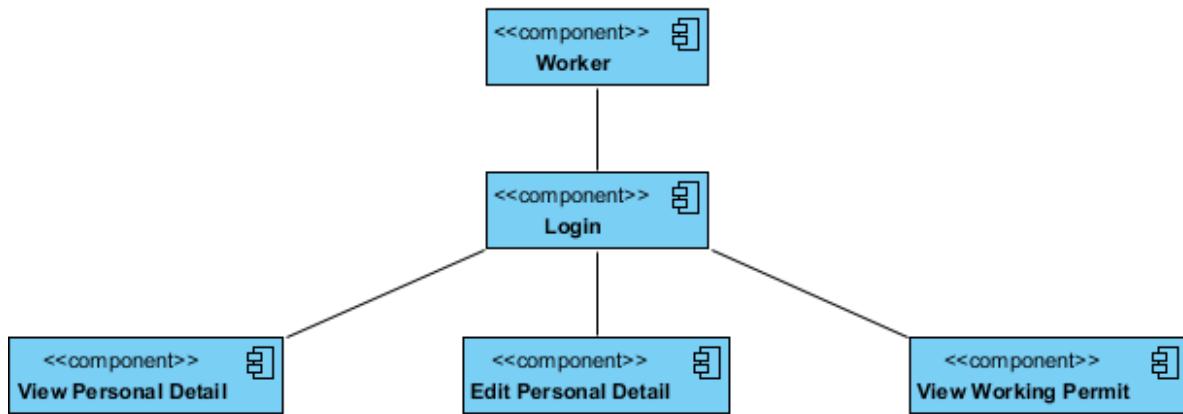
This is manager view the worker working permit list screen. Manager clicks the view button and show the worker working permit details form and to view the worker working details.

10 Component Design

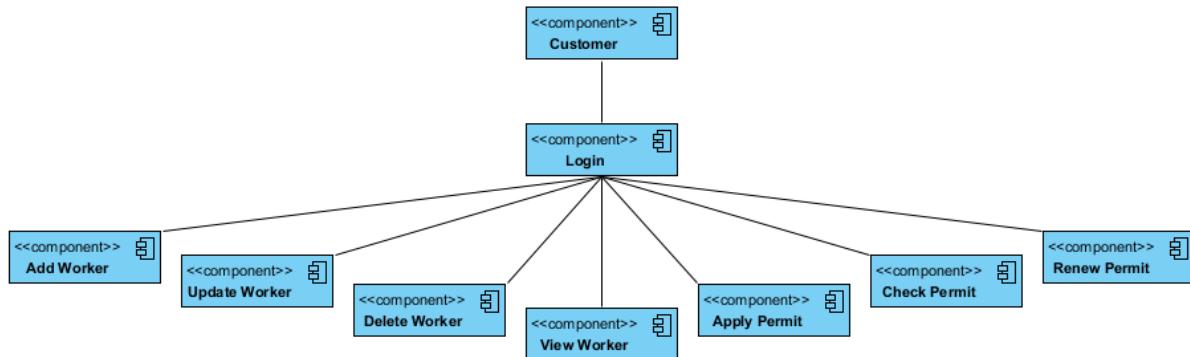
10.1 Main Components



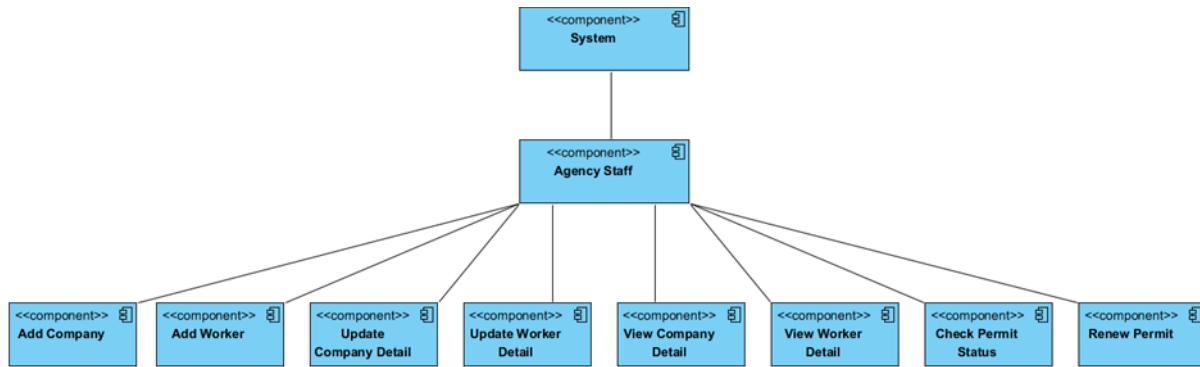
Inside the Foreign Worker Agency System component can be divided into 4 different components which are company ,worker ,staff ,manager . The 4 components depend on the system require user role. 4 of the components need to go through the login component to proceed to the role function component.



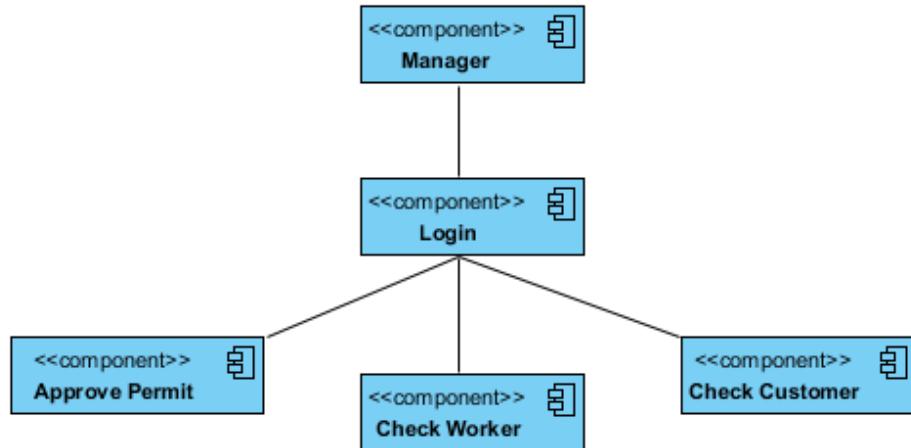
After the Worker component go through the login component. There have 3 function component which is view personal detail, edit personal detail, and view working permit.



After the company(customer) component go through the login component. There have 7 function component which is add worker, update worker, delete worker, view worker, apply permit, check permit, and renew permit.

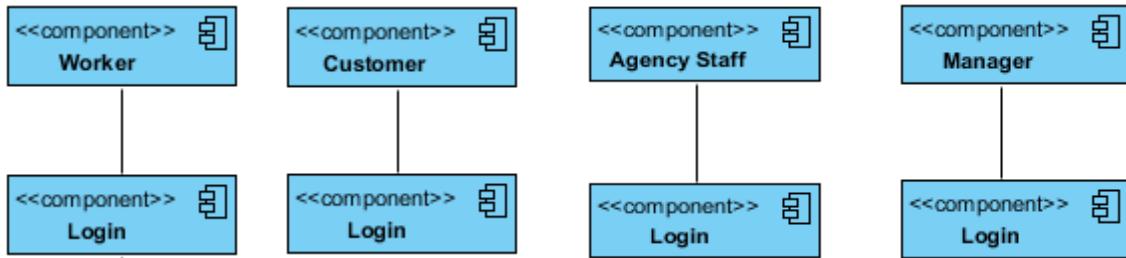


After the staff component go through the login component. There have 7 function component which is add company, add worker, update company, update worker, view company, check permit, and renew permit.

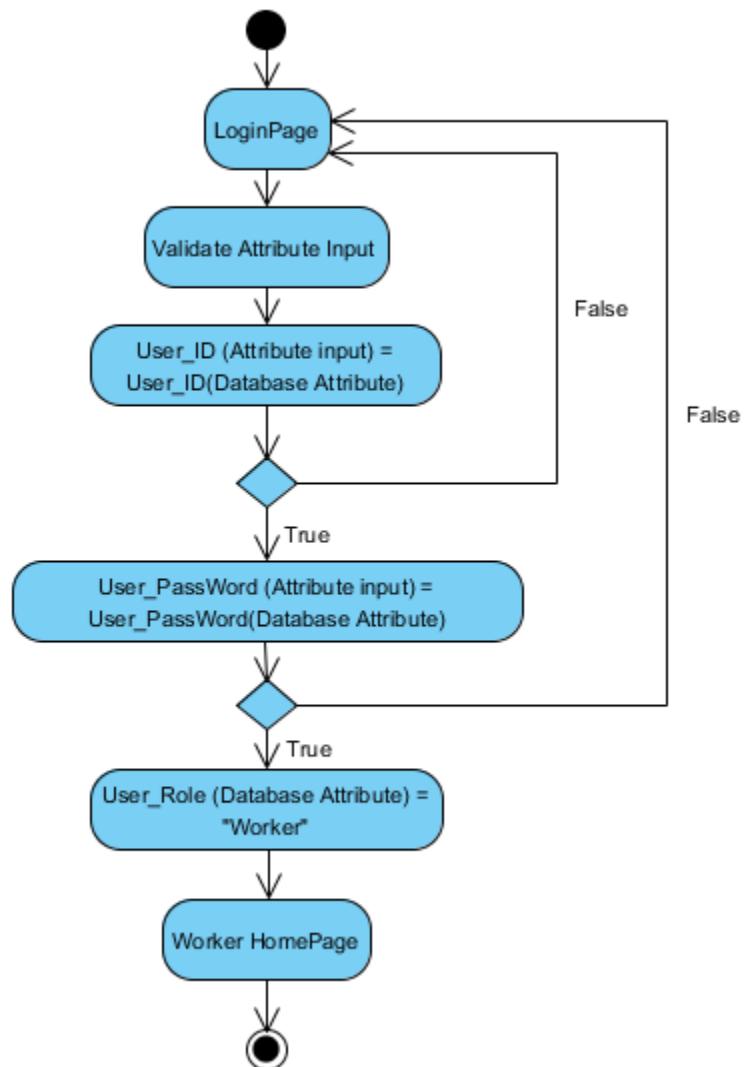


After the manager component go through the login component. There have 3 function component which is approve permit, check worker, and check customer.

10.1.1 Login Component (Worker, Company, Staff, Manager)



Activity Diagram



Pseudocode**Login Button Selected**

Select * From LOGIN Where User_ID = User_ID.Text

If

User_ID.Text != String.Empty And

User_Password.Text != String.Empty

Then

If

User_ID.Text = User_ID

Then

If

User_Password.Text = User_Password

Then

Session("ID") = User_ID

Session("Role") = Role

Select HomePage_Path From HomePage Where Role = Session("Role")

Else

FailureText = "Invalid Password ! "

End If

Else

FailureText = "Invalid User ID ! "

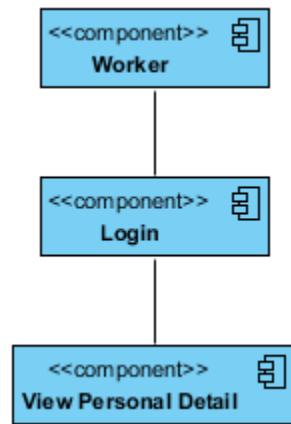
End If

Else

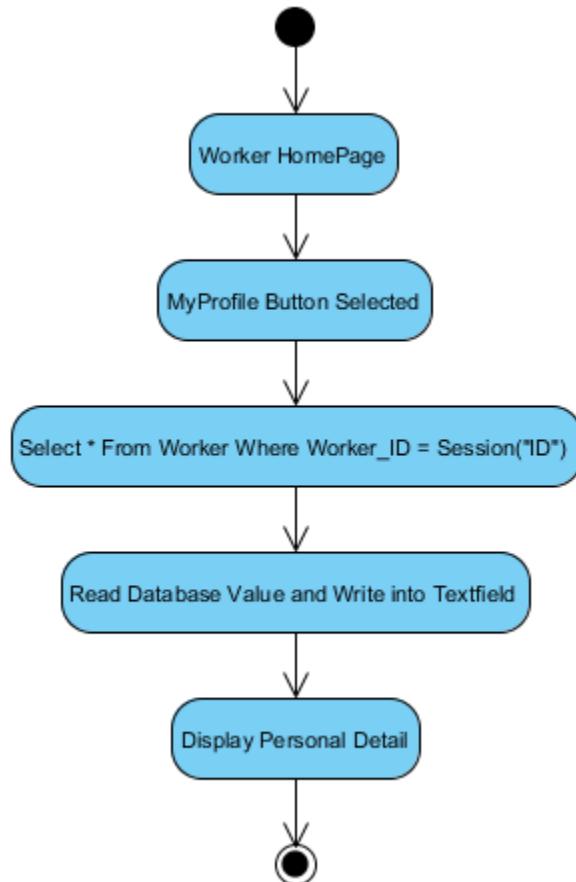
FailureText = "* Value Required ! "

End If

10.1.2 View Personal Detail Component (Worker)



Activity Diagram



Pseudocode

Page Load

Select * From Worker Where User_ID = Session("ID")

Worker_ID.Text = Session("ID")

Fname.Text = Fname

Lname.Text = Lname

DOB.Text = DOB

Gender.Text = Gender

Nationality.Text = Nationality

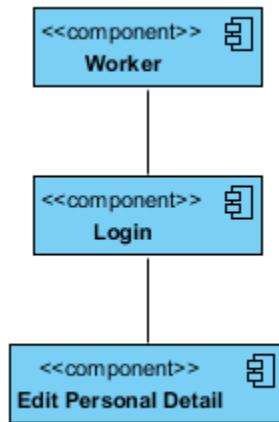
Address.Text = Address

Tel.Text = Tel

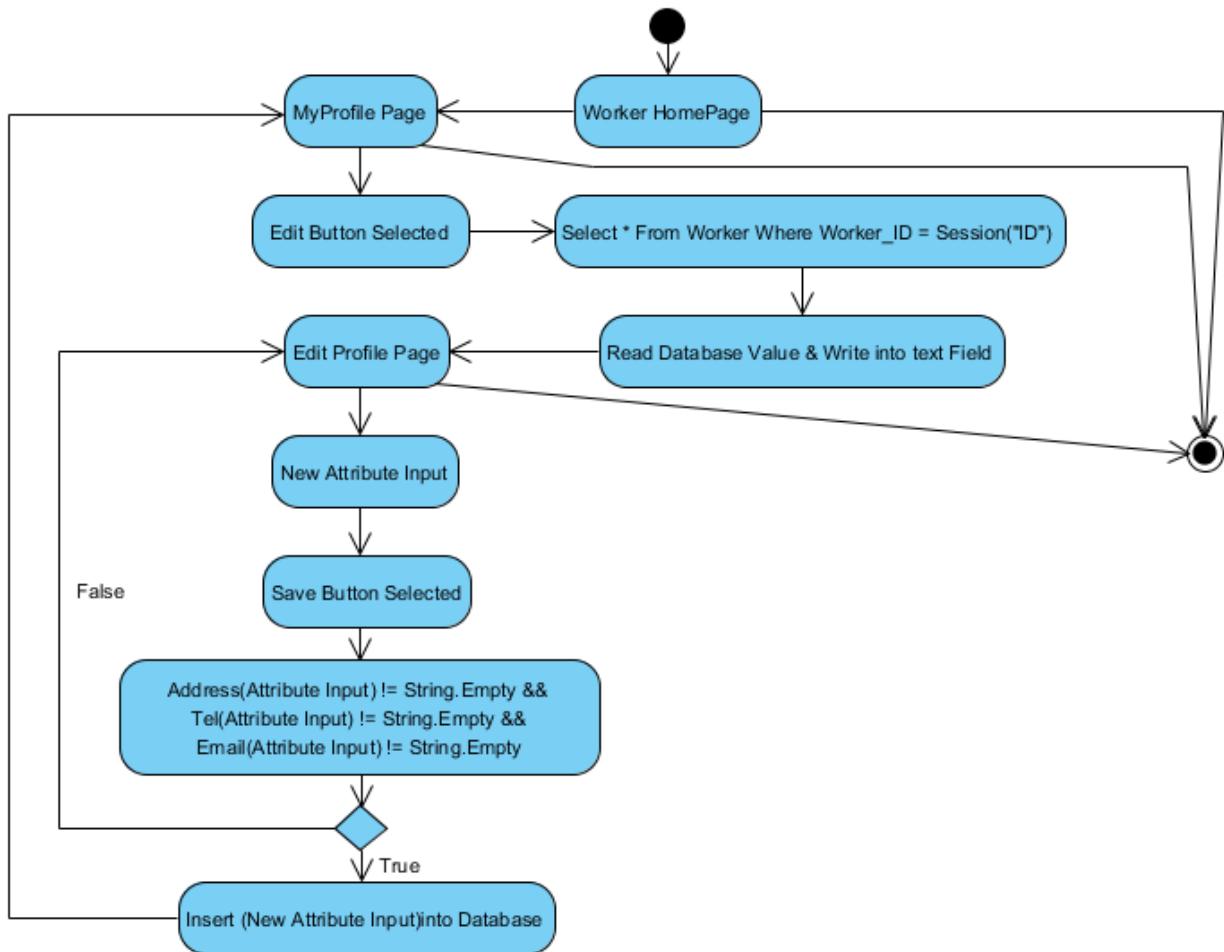
Email.Text = Email

Status.Text = Status

10.1.3 Edit Personal Detail Component (Worker)



Activity Diagram



Pseudocode

Page Load

Select * From Worker Where User_ID = Session("ID")

Worker_ID.Text = Session("ID")

Fname.Text = Fname

Lname.Text = Lname

DOB.Text = DOB

Gender.Text = Gender

Nationality.Text = Nationality

Address.Text = Address

Tel.Text = Tel

Email.Text = Email

Status.Text = Status

Save Button Selected

If

Address.Text != String.Empty And

Tel.Text != String.Empty And

Email.Text != String.Empty

Then

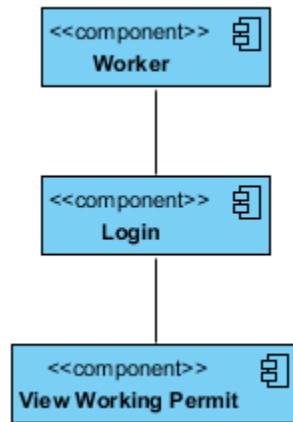
Update Worker Set Address = "Address.Text", Tel = "Tel.Text", Email = "Email.Text" Where
Worker_ID = "Session("ID")"

Else

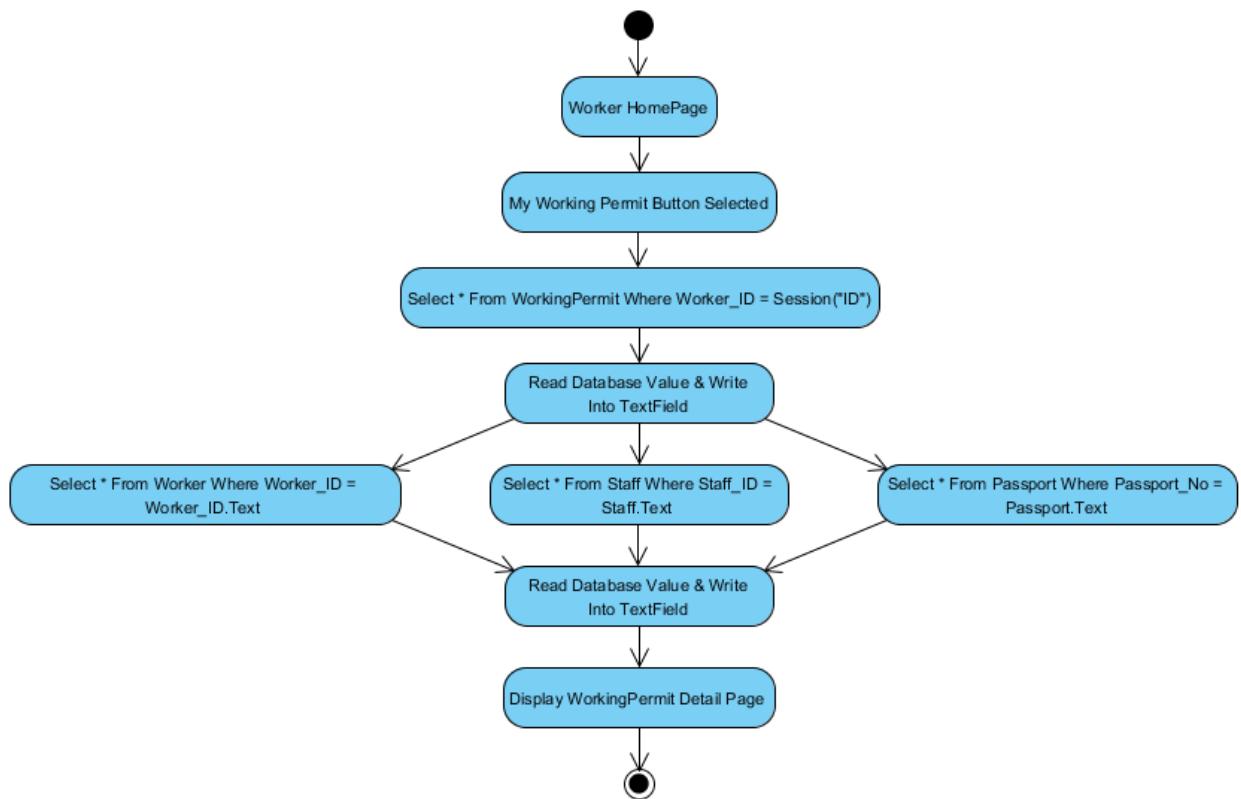
FailureText = " * Value Required ! "

End IF

10.1.4 View Working Permit Component (Worker)



Activity Diagram



Pseudocode

Page Load

Select * From WorkingPermit Where Worker_ID = Session("ID")

WorkingPermit_ID.Text = WorkingPermit_ID

StartDate.Text = StartDate

EndDate.Text = EndDate

Status.Text = Status

Worker_ID.Text = Worker_ID

Company_ID.Text = Company_ID

Staff_ID.Text = Staff_ID

Select FName, LName From Worker Where Worker_ID = Worker_ID.Text

FName.Text = Fname

LName.Text = LName

Select FName, LName From Staff Where Staff_ID = Staff_ID.Text

FName.Text = FName

LName.Text = LName

Select * From Company Where Company_ID = Company_ID.Text

CName.Text = CName

Address.Text = Address

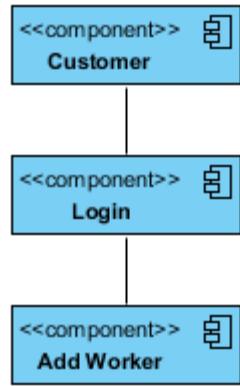
Tel.Text = Tel

Fax.Text = Fax

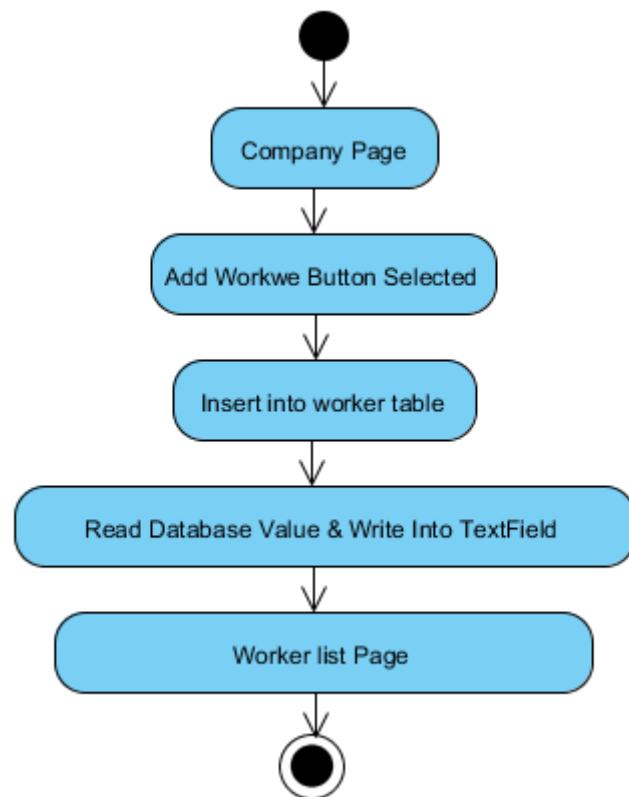
Email.Text = Email

CompanyNo.Text = CompanyNo

10.1.5 Add Worker Component (Company)



Activity Diagram



Pseudocode

Add Worker Button Selected

If worker personal detail != Empty then

 If check input format error != error then

 Insert (worker personal detail) into worker table

 Jump to (Worker List Page) WebPage

 Else

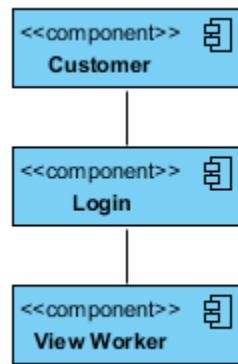
 Show Error Message

Else

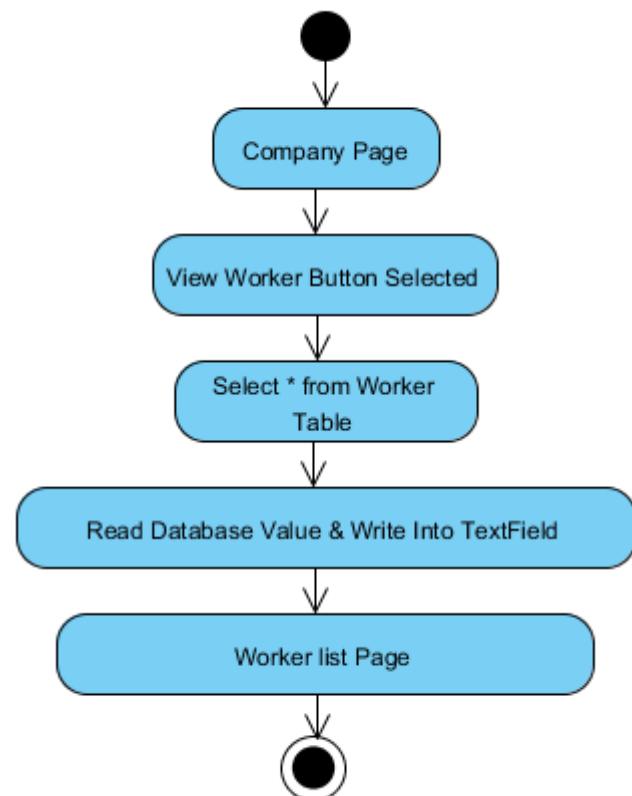
 Show Error Message

End if

10.1.6 View Worker Component (Company)



Activity Diagram



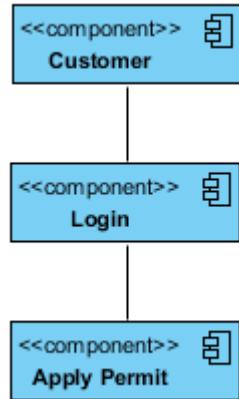
Pseudocode

Page Load

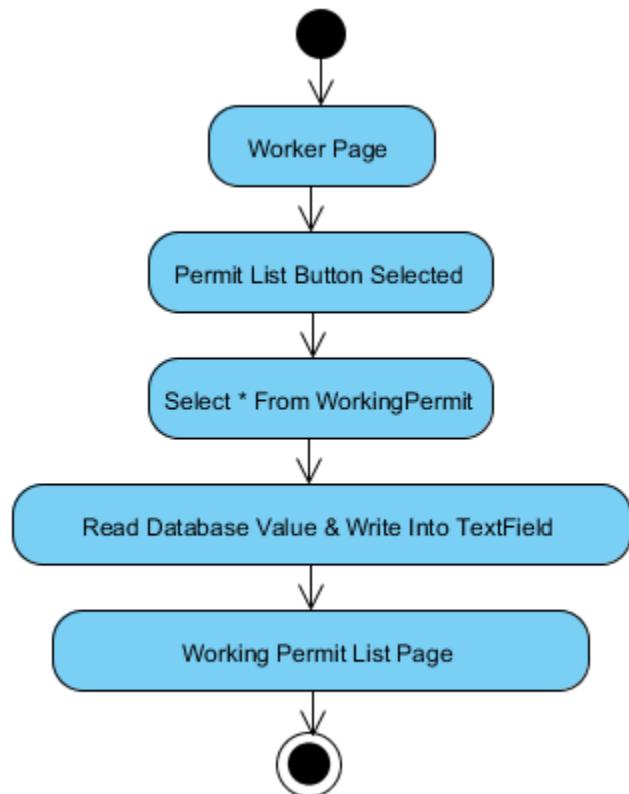
Select (Worker Personal Detail) from worker table Where Worker_ID = Selected ID

Textfield.text = (Worker Personal Detail)

10.1.7 Apply Permit Component (Company)



Activity Diagram



Pseudocode

Page Load

Select (Worker Detail) from Worker table

Textfield.text = Worker Detail

Select (Passport Detail) from Passport table

Textfield.text = Passport Detail

Apply Permit Button Selected

If Passport.EndDate > currentDay then

 Insert (working permit status) into WorkingPermit table

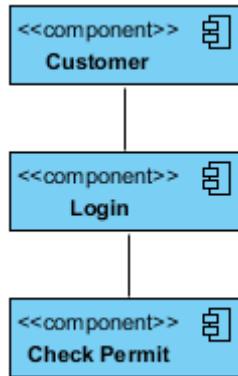
 Jump to WebPage(WorkingPermit List Page)

Else

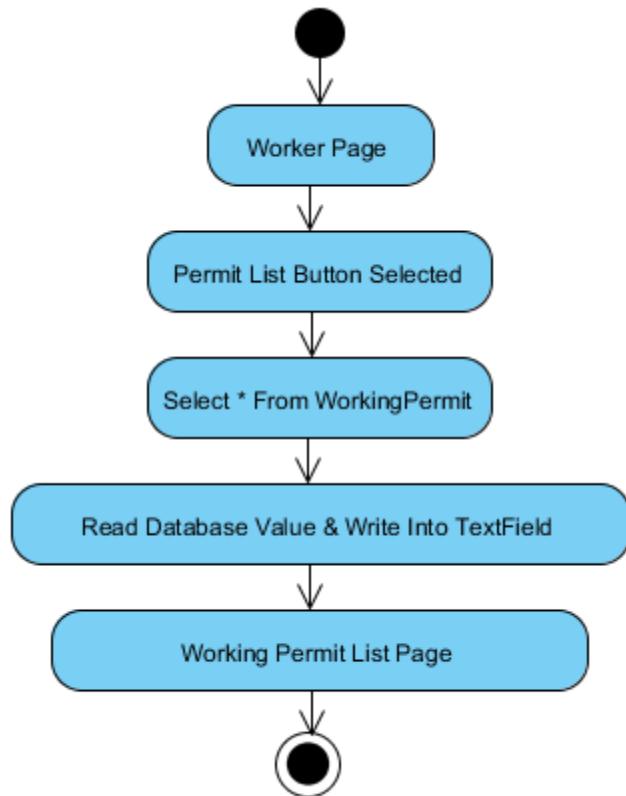
 Show Error Message

End IF

10.1.8 Check Permit Component (Company)



Activity Diagram



Pseudocode

Page Load

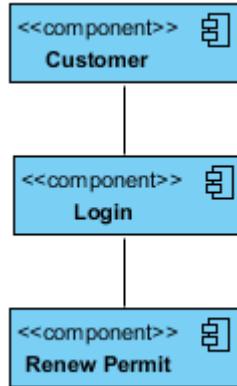
Select (Working Permit Detail) from WorkingPermit table

Join worker table ,company table ,staff table, passport table

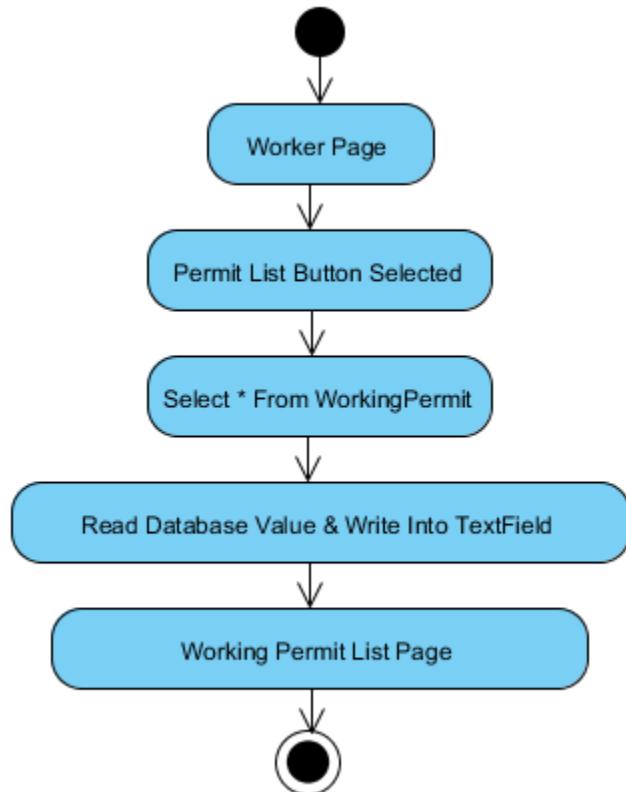
Where WorkingPermit.WorkingPermit_ID = Selected ID

Textfield.text = (Working Permit Detail)

10.1.9 Renew Permit Component (Company)



Activity Diagram



Pseudocode

Page Load

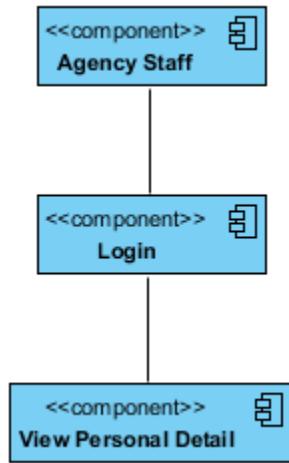
Select (Working Permit Detail) from WorkingPermit table
Join worker table ,company table ,staff table, passport table
Where WorkingPermit.WorkingPermit_ID = Selected ID

Textfield.text = (Working Permit Detail)

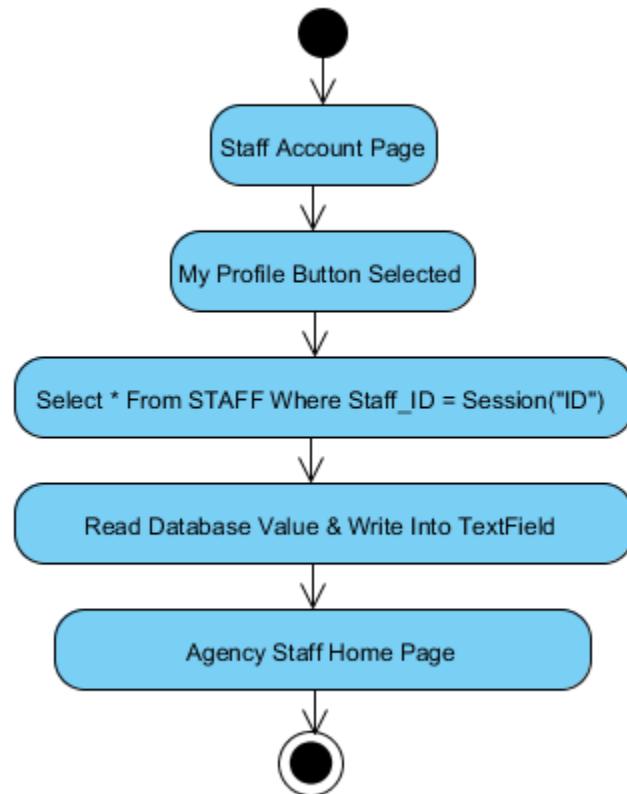
Renew Permit Button Selected

If Passport.EndDate > currentDay then
 Update working permit table Set (working permit status) = Pending
 Jump to WebPage(WorkingPermit List Page)
Else
 Show Error Message
End IF

10.1.10 View Personal Deal Component (Staff)



Activity Diagram



Pseudocode

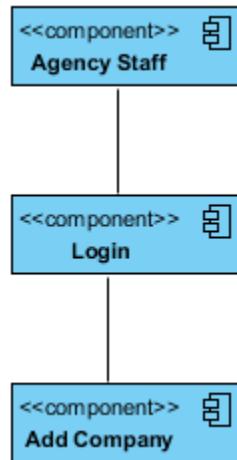
Page Load

Select (Staff Personal Detail) from staff table

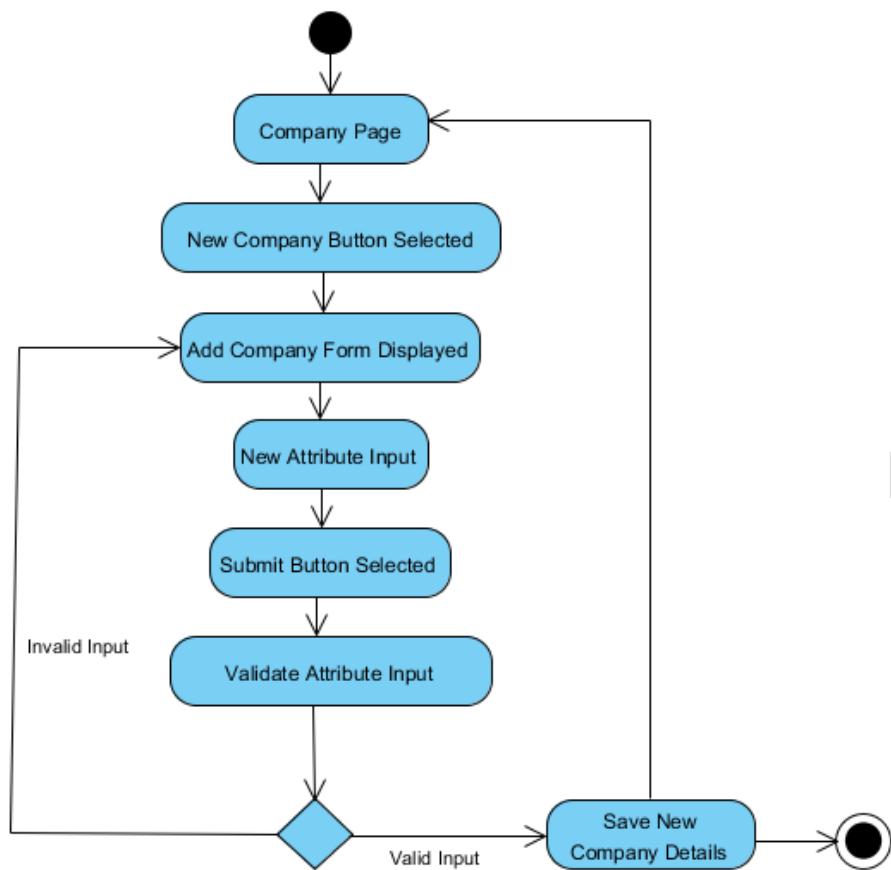
Where Staff_ID = current User ID

Textfield.text = (Staff Personal Detail)

10.1.11 Add Company Component (Staff)



Activity Diagram



Pseudocode

Add Company Button Selected

If Company detail != Empty then

 If check input format error != error then

 Insert (Company detail) into Company table

 Else

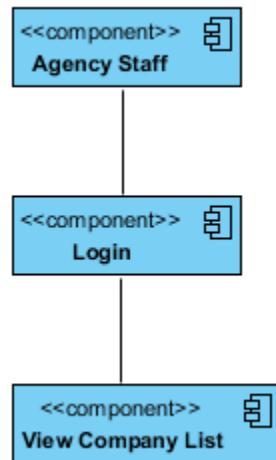
 Show Error Message

Else

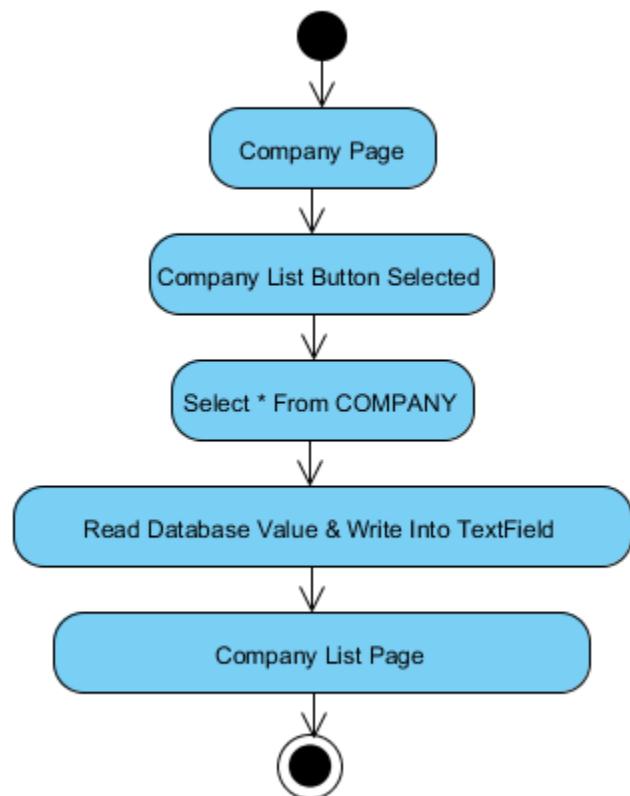
 Show Error Message

End if

10.1.12 View Company Component (Staff)



Activity Diagram



Pseudocode

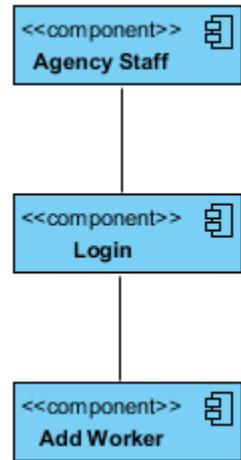
Page Load

Select (Company Detail) from Company table

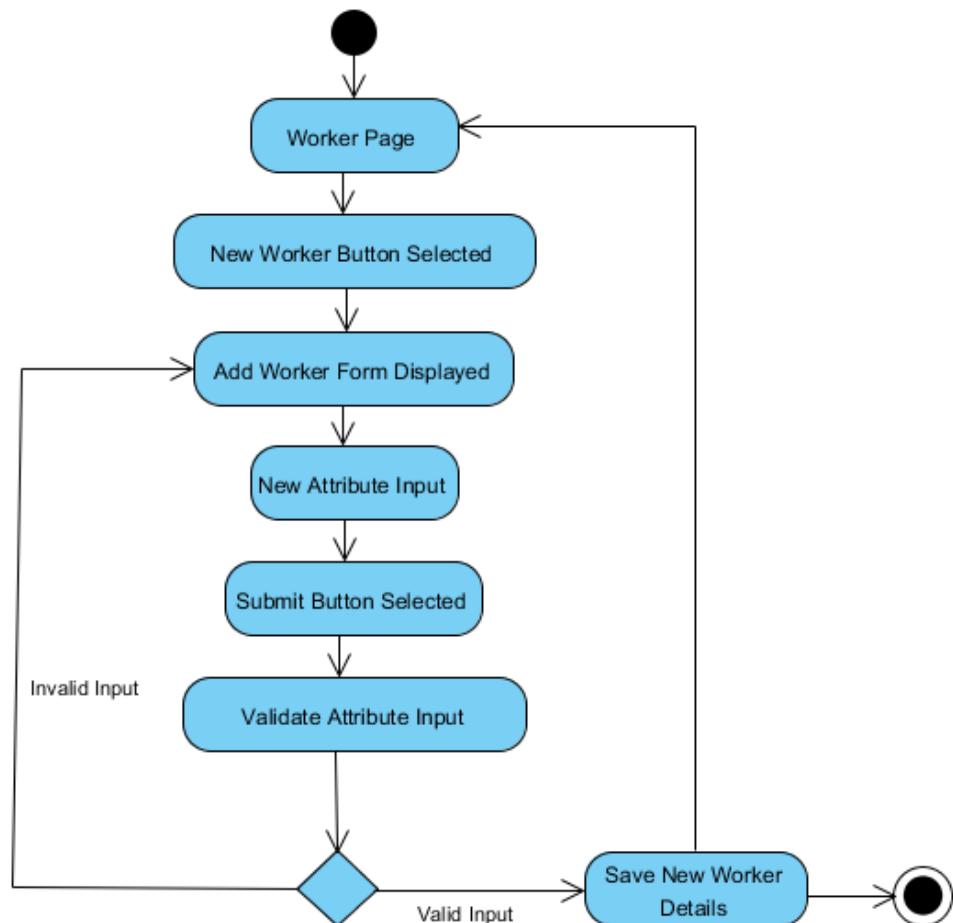
Where Company_ID= Selected ID

Textfield.text = (Company Detail)

10.1.13 Add Worker Component (Staff)



Activity Diagram



Pseudocode

Add Worker Button Selected

If worker personal detail != Empty then

 If check input format error != error then

 Insert (worker personal detail) into worker table

 Jump to (Worker List Page) WebPage

 Else

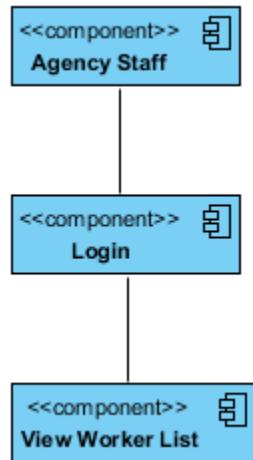
 Show Error Message

Else

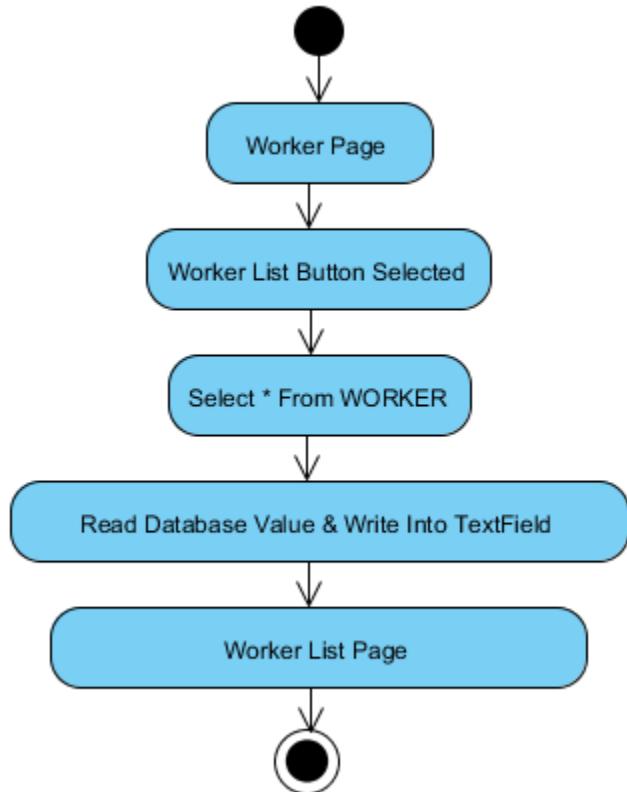
 Show Error Message

End if

10.1.14 View Worker Component (Staff)



Activity Diagram



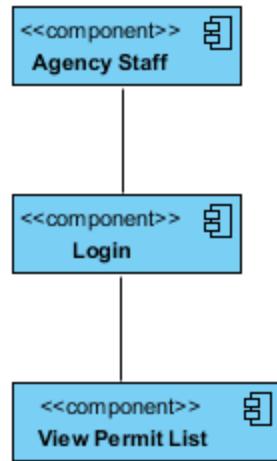
Pseudocode

Page Load

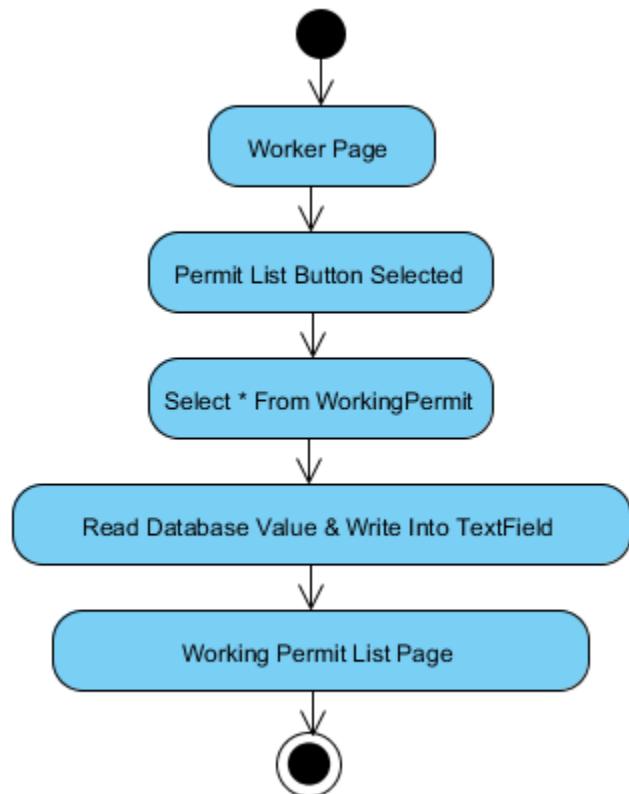
Select (Worker Personal Detail) from worker table Where Worker_ID = Selected ID

Textfield.text = (Worker Personal Detail)

10.1.15 View Permit Component (Staff)



Activity Diagram



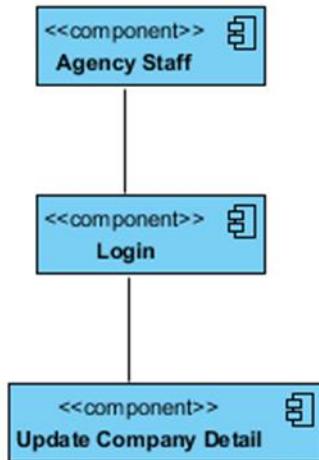
Pseudocode

Page Load

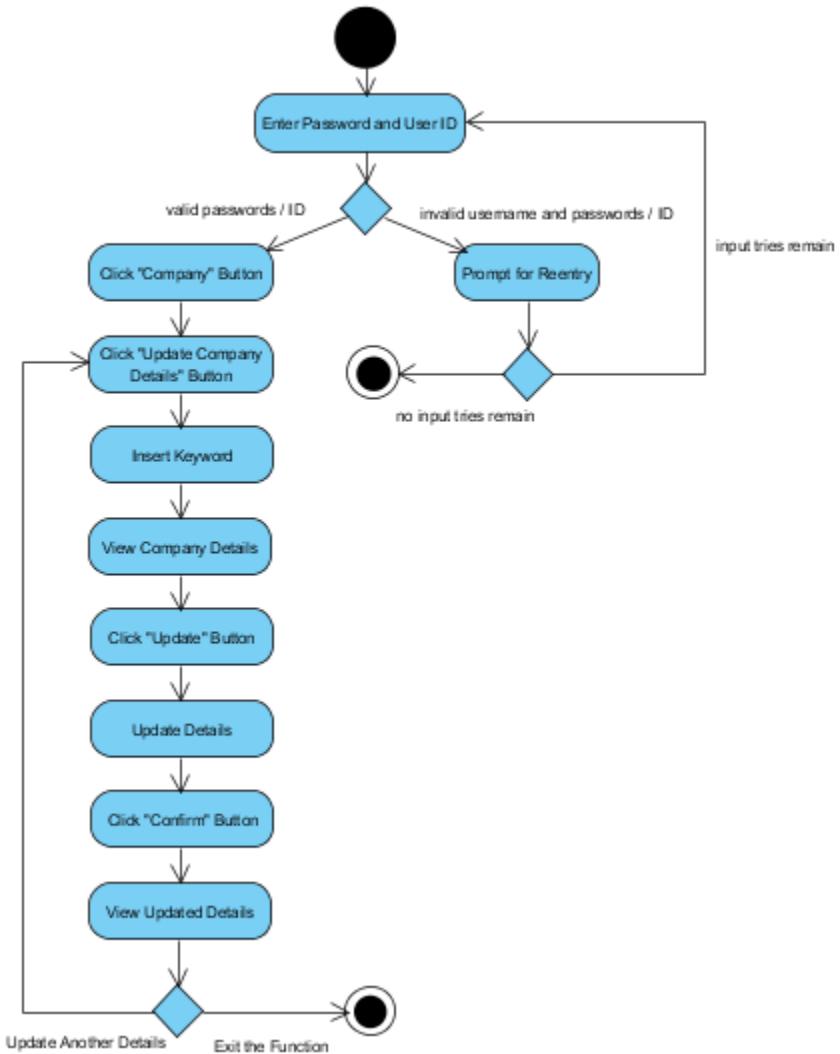
Select (Working Permit Detail) from WorkingPermit table
Join worker table ,company table ,staff table, passport table
Where WorkingPermit.WorkingPermit_ID = Selected ID

Textfield.text = (Working Permit Detail)

10.1.16 Update Company Component (Staff)



Activity Diagram



Pseudocode**Page Load**

Select (Company Detail) from company table

Where Company_ID = Selected ID

Textfield.text = (Company Detail)

Update Button Selected

If inputTextField.Text != Empty Then

 If inputTextField.Text Format != Error Then

 Update company table set (Company Detail)=inputTextField.Text Where
 Company_ID = SelectedID

 Else

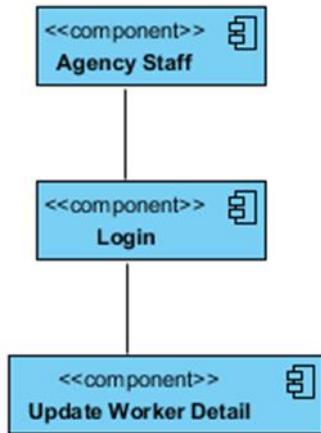
 Show Error Message

Else

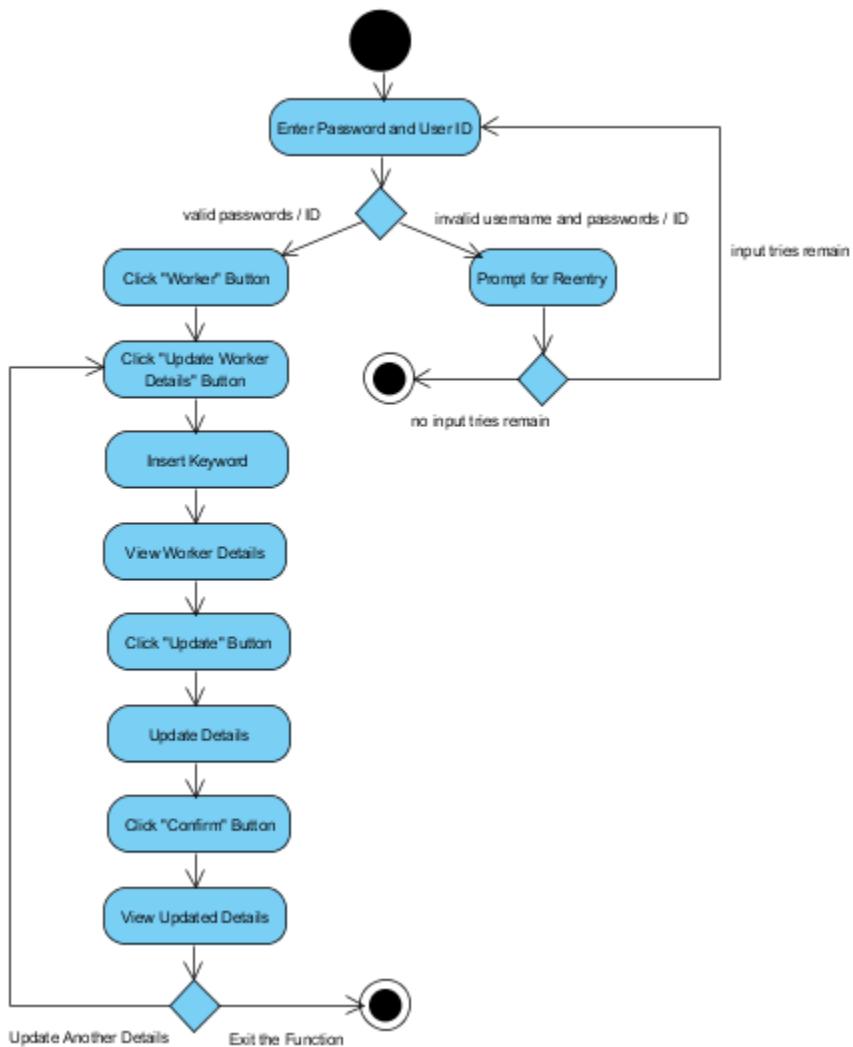
 Show Error Message

End If

10.1.17 Update Worker Component (Staff)



Activity Diagram



Pseudocode

Page Load

Select (Worker Detail) from Worker table

Where Worker_ID = Selected ID

Textfield.text = (Worker Detail)

Update Button Selected

If inputTextField.Text != Empty Then

 If inputTextField.Text Format != Error Then

 Update worker table set (Worker Detail)=inputTextField.Text Where Worker_ID =
 SelectedID

 Else

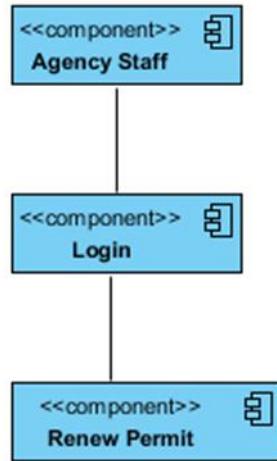
 Show Error Message

Else

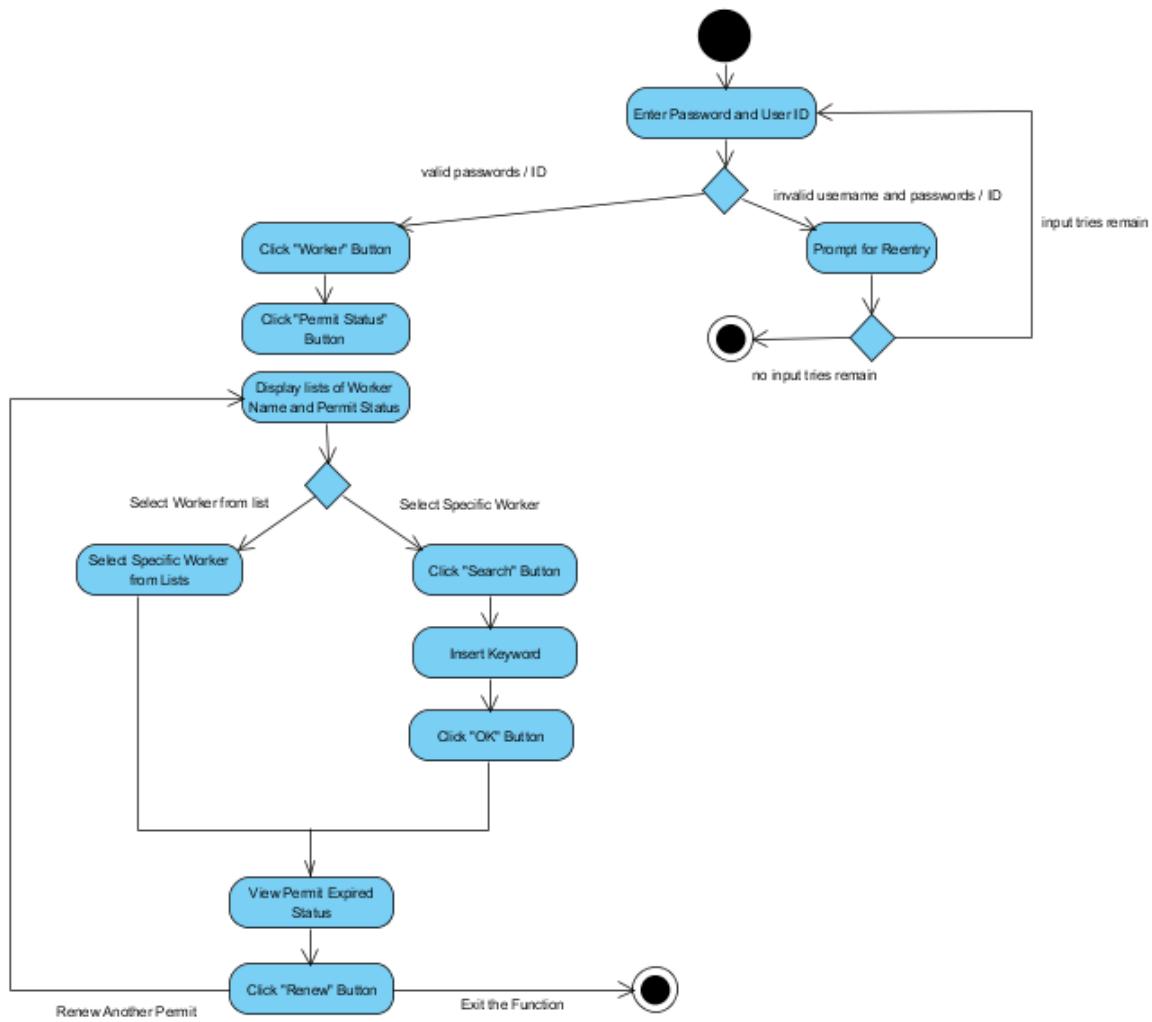
 Show Error Massage

End If

10.1.18 Renew Permit Component (Staff)



Activity Diagram



Page Load

Select (Working Permit Detail) from WorkingPermit table

Join worker table ,company table ,staff table, passport table

Where WorkingPermit.WorkingPermit_ID = Selected ID

Textfield.text = (Working Permit Detail)

Renew Permit Button Selected

If Passport.EndDate > currentDay then

 Update working permit table Set (working permit status) = Pending

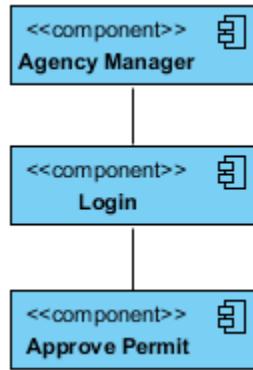
 Jump to WebPage(WorkingPermit List Page)

Else

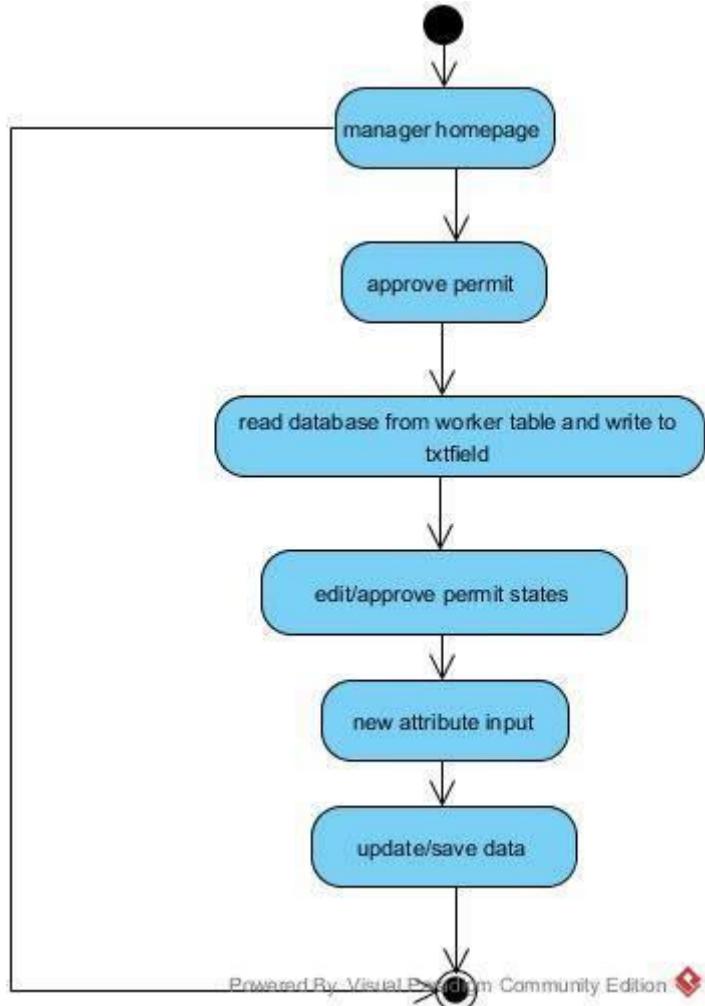
 Show Error Message

End IF

10.1.19 Approve Permit (Manager)



Activity Diagram



Page Load

Select (Working Permit Detail) from WorkingPermit table

Join worker table ,company table ,staff table, passport table

Where WorkingPermit.WorkingPermit_ID = Selected ID

Textfield.text = (Working Permit Detail)

Approve Permit Button Selected

If Passport.EndDate > currentDay then

 Update working permit table Set (working permit status) = Approve

 Jump to WebPage(WorkingPermit List Page)

Else

 Show Error Message

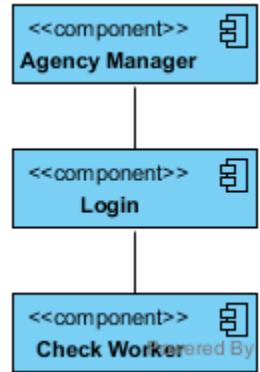
End IF

Reject Permit Button Selected

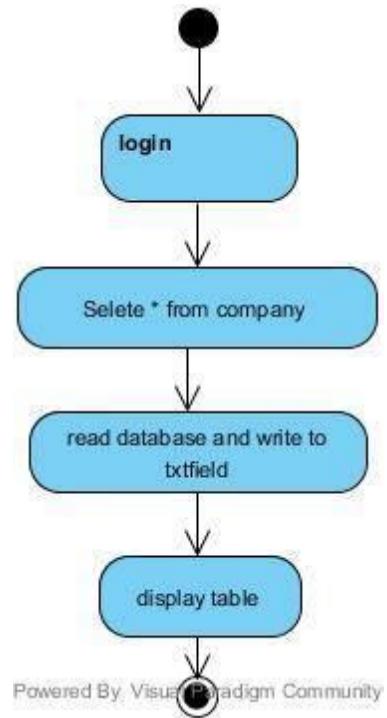
 Update working permit table Set (working permit status) = Reject

 Jump to WebPage(WorkingPermit List Page)

10.1.20 Check Worker (Manager)



Activity Diagram



Powered By: Visual Paradigm Community

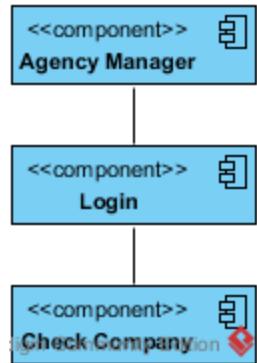
Page Load

Select (Worker Detail) from Worker table

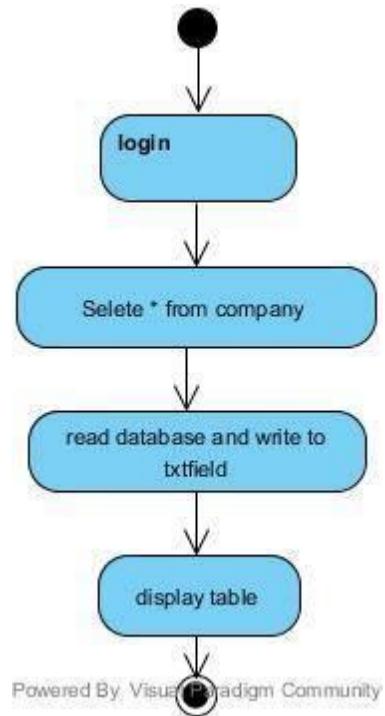
Where Worker_ID = Selected ID

Textfield.text = (Worker Detail)

10.1.21 Check Company Component (Manager)



Activity Diagram



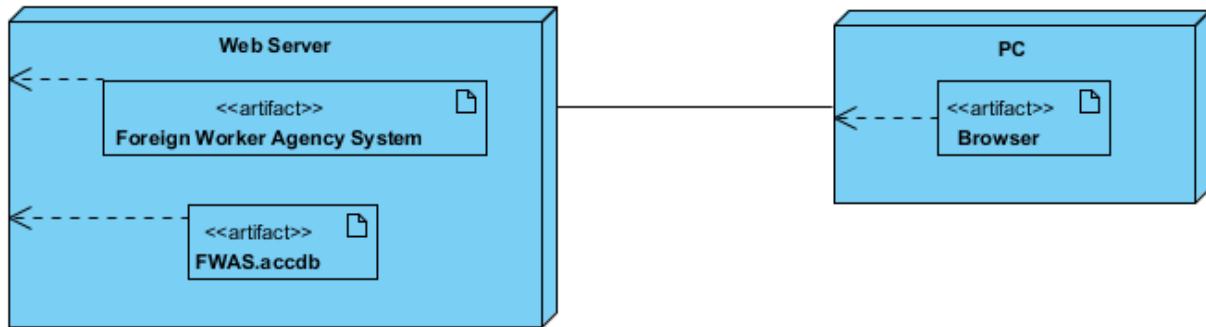
Select (Company Detail) from Company table

Where Company_ID = Selected ID

Textfield.text = (Company Detail)

11 Deployment Design

11.1 Deployment Diagram



The deployment diagram shows that the system requires hardware to support it to work well. For user side, the minimum requirement hardware is PC which must have Web Browser to let user visit the Foreign Worker Agency System Website. For the system side, The system file and its database file will install into the Web Server. In order to let user use Web Browser to request the System WebPage From Web Server.

12 Test Data

12.1 Test Data Set 1 (Worker)

Field	Data Value
User_ID	WK1
Password	1
FName	TAN
LName	YI YANG
DOB	05/05/1980
Gender	M
Nationality	SINGAPORE
Address	111,JALAN O, TAMAN O,KUALA LUMPUR, MALAYSIA.
Tel	010-8211211
Email	TYY2@GMAIL.COM
Status	Hire
Passport_No	S0099912A

12.2 Test Data Set 2 (Company)

Company

Field	Data Value
Company_ID	CPN1
Password	1
CName	ABC SDN BHD
Address	110,TAMAN NILAI,JALAN 1,50400 KUALA LUMPUR, MALAYSIA
Tel	(603) 2161-8888
Fax	(603) 2161-2393
Email	ABC@abc.com
CompanyNo	1019185-A

Worker

Field	Data Value
User_ID	WK1
Password	1
FName	TAN
LName	YI YANG
DOB	05/05/1980
Gender	M
Nationality	SINGAPORE
Address	111, JALAN O, TAMAN O, KUALA LUMPUR, MALAYSIA.
Tel	010-8211211
Email	TYY2@GMAIL.COM
Status	Hire
Passport_No	S0099912A

12.3 Test Data Set 3 (Staff)

Staff

Field	Data Value
User_ID	ST2
Password	2
FName	TEY
LName	LALA
DOB	01/07/1975
Gender	M
Nationality	MALAYSIA
Address	22, TAMAN ROSS, JALAN 22, 50450 KUALA LUMPUR, MALAYSIA.
Tel	017-1122334
Email	TEYLALA@gmail.com

Company

Field	Data Value
Company_ID	CPN1
Password	1
CName	ABC SDN BHD
Address	110,TAMAN NILAI,JALAN 1,50400 KUALA LUMPUR, MALAYSIA
Tel	(603) 2161-8888
Fax	(603) 2161-2393
Email	ABC@abc.com
CompanyNo	1019185-A

Worker

Field	Data Value
User_ID	WK1
Password	1
FName	TAN
LName	YI YANG
DOB	05/05/1980
Gender	M
Nationality	SINGAPORE
Address	111, JALAN O, TAMAN O, KUALA LUMPUR, MALAYSIA.
Tel	010-8211211
Email	TYY2@GMAIL.COM
Status	Hire
Passport_No	S0099912A

12.4 Test Data Set 4 (Manager)

Manager

Field	Data Value
User_ID	MNG1
Password	1
FName	TAN
LName	XIXI
DOB	09/07/1980
Gender	M
Nationality	MALAYSIA
Address	TAMAN OLA,JALAN 11,50400 KUALA LUMPUR,MALASIA.
Tel	012-1234567
Email	TANXIXI@gmail.com

Worker

Field	Data Value
User_ID	WK1
Password	1
FName	TAN
LName	YI YANG
DOB	05/05/1980
Gender	M
Nationality	SINGAPORE
Address	111, JALAN O, TAMAN O, KUALA LUMPUR, MALAYSIA.
Tel	010-8211211
Email	TYY2@GMAIL.COM
Status	Hire
Passport_No	S0099912A

Company

Field	Data Value
Company_ID	CPN1
Password	1
CName	ABC SDN BHD
Address	110,TAMAN NILAI,JALAN 1,50400 KUALA LUMPUR, MALAYSIA
Tel	(603) 2161-8888
Fax	(603) 2161-2393
Email	ABC@abc.com
CompanyNo	1019185-A

13 Acceptance Test

13.1 Acceptance Test 1 (Worker)

Criteria	Fulfilled?	Remarks
View Personal Detail		
Edit Personal Detail		
Change Password		

Date tested : _____

% Complete : _____

Tested by : _____

Verified by : _____

13.2 Acceptance Test 2 (Company)

Criteria	Fulfilled?	Remarks
Apply Permit		
Insert Worker Detail		
Update Worker Detail		
Delete Worker Detail		
View Worker Detail		
Check Permit Status		
Renew Permit		
Change Password		

Date tested : _____

% Complete : _____

Tested by : _____

Verified by : _____

13.3 Acceptance Test 3 (Staff)

Criteria	Fulfilled?	Remarks
Add Company		
Add Worker		
Update Company Details		
Update Worker Details		
Check Permit Status		
View Company Details		
View Worker Details		
Renew Permit		
Change Password		
View Personal Detail		

Date tested : _____

% Complete : _____

Tested by : _____

Verified by : _____

13.4 Acceptance Test 4 (Manager)

Criteria	Fulfilled?	Remarks
Approve Permit		
Check Worker		
Check Company		
Change Password		

Date tested : _____

% Complete : _____

Tested by : _____

Verified by : _____

14 Sample Screens

14.1 Worker

14.1.1 Worker view the personal profile.

FOREIGN WORKER AGENCY

Welcome WK2! [Log Out]

Account My Working Permit

My PROFILE

My Information

Worker ID	WK2	Gender	Male
First Name	Ivan	Last Name	Fang
DOB	23/2/1994	Nationality	Malaysia
Address	13,Jalan Meranti		
Tel	+60142794574	Email	siawtungfang@gmail.com

My Passport

Name	Ivan Fang	Passport No	A123123809
Nationality	Malaysia	Country Code	60
Identify No	werwer	Type	PA
Date of Birth	2/1/1957	Place of Birth	123
Gender	Male	Height	178
Date of Issue	14/9/2016	Date of Expiry	16/9/2018
Issue Office	Segamat		

[Edit Profile](#)

14.1.2 Worker edit personal profile

FOREIGN WORKER AGENCY

Welcome WK2! [Log Out]

Account My Working Permit

EDIT PROFILE

My Information

Worker ID	WK2	Gender	Male
First Name	Ivan	Last Name	Fang
DOB	23/2/1994	Nationality	Malaysia
Address	13,Jalan Meranti		
Tel	+60142794574	Email	siawtungfang@gmail.com

14.1.3 Worker change password

FOREIGN WORKER AGENCY

Welcome WK2! [Log Out]

Account My Working Permit

CHANGE PASSWORD

Account Information

Old Password:	<input type="text"/>
New Password:	<input type="text"/>
Confirm New Password:	<input type="text"/>

14.1.4 Worker view personal working permit

FOREIGN WORKER AGENCY
 Welcome WK2! [Log Out]

Account
My Working Permit

My WORKING PERMIT

Worker Information

Worker ID	WK2		
First Name	Ivan	Last Name	Fang
Passport No	A123123809		
Date Of Issue	14/9/2016	Date Of Expire	16/9/2018

Company Information

Company ID	CPN1	Registration No	1019185-A
Name	ABC SDN BHD		
Address	110,TAMAN NILAI,JALAN 1,50400 KUALA LUMPUR, MALAYSIA		
Tel	(603) 2161-8888	Fax	(603) 2161-2393
Email	ABC@abc.com		

Working Permit Information

Working Permit ID		Date Of Apply	
Date Of Issue		Date Of Expire	
Status			
Approved By			
Staff ID			
First Name		Last Name	

14.2 Company

14.2.1 Company change password

FOREIGN WORKER AGENCY

Welcome WK2! [Log Out]

Account My Working Permit

CHANGE PASSWORD

Account Information

Old Password:

New Password:

Confirm New Password:

14.2.2 Company add new worker

FORIEGN WORKER AGENCY

Welcome CPN1! [Log Out]

Home Worker Permit

...New Worker Detail...

Worker Login Details

Worker ID: WK31
Password: WK31@123123

Worker Details

First Name:
Last Name:
Date Of Birth: ---Year--- ---Month--- ---Day--- Gender: Male Female
Address:
Nationality:
Email: No.Tel:
Company ID: CPN1
Status: Hire

Worker Passport Details

Passport ID:
Identity Number:
Date Of Issue: ---Year--- ---Month--- ---Day---
Place Of Issue:
Country Code:
Type: Date Of Expired: ---Year--- ---Month--- ---Day---
Height:
Place Of Birth:

Buttons

Submit Cancel

14.2.3 Company update worker detail

FORIEGN WORKER AGENCY

Welcome CPN1! [Log Out]

Home Worker Permit

...UPDATE WORKER DETAIL...

Worker Login Details

Worker ID:	WK2
Password:	123

Worker Details

First Name:	Ivan		
Last Name:	Fang		
Date Of Birth:	1994 ▼ February ▼ 23 ▼	Gender:	<input checked="" type="radio"/> Male <input type="radio"/> Female
Address:	13,Jalan Meranti		
Nationality:	Malaysia		
Email:	siawtungfang@gmail.com	No.Telphone:	+60142794574
Company ID:	CPN1		
Status:	Hire ▼		

Worker Passport Details

Passport ID:	A123123809		
Identity Number:	werwer		
Date Of Issue:	2016 ▼ September ▼ 14 ▼	Date Of Expired:	2018 ▼ September ▼ 16 ▼
Place Of Issue:	Segamat	Height	178
Country Code:	60	Place Of Birth:	123
Type:	PA		

< Update Cancel

14.2.4 Company delete worker details

FORIEGN WORKER AGENCY

Welcome CPN1! [Log Out]

Home Worker Permit

...DELETE WORKER DETAIL...

Worker Login Details

Worker ID:	WK2
Password:	123

Worker Details

First Name:	Ivan		
Last Name:	Fang		
Date Of Birth:	23/2/1994	Gender:	Male
Address:	13,Jalan Meranti		
Nationality:	Malaysia		
Email:	siawtungfang@gmail.com		
Company ID:	CPN1		
Status :	Hire		

Worker Passport Details

Passport ID:	A123123809		
Identity Number:	werwer		
Date Of Issue:	Segamat	Date Of Expired:	14/9/2016
Place Of Issue:	16/9/2018	Height	178
Country Code:	60	Place Of Birth:	123
Type:	PA		

Action Buttons

14.2.5 Company view worker details

FORIEGN WORKER AGENCY

Welcome CPN1! [Log Out]

Home Worker Permit

...VIEW WORKER DETAIL...

Worker Login Details

Worker ID:	WK30
Password:	WK30@123123

Worker Details

First Name:	SiawT789		
Last Name:	897897		
Date Of Birth:	3/1/1957	Gender:	Female
Address:	13,Jalan Meranti		
Nationality:	Malaysia		
Email:	siawtungfang@gmail.com		
Company ID:	CPN1		
Status :	Hire		

Worker Passport Details

Passport ID:	asdasd		
Identity Number:	9401230809123		
Date Of Issue:	Segamat	Date Of Expired:	17/10/2012
Place Of Issue:	16/11/2016	Height	178
Country Code:	Malaysia	Place Of Birth:	123
Type:	werwer		

Cancel

14.2.6 Company apple worker working permit

FORIEGN WORKER AGENCY

Welcome CPN1! [Log Out]

Home Worker Permit

...APPLY PERMIT...

Worker Details

Worker ID:	WK2		
Password:	123		
First Name:	Ivan		
Last Name:	Fang		
Date Of Birth:	23/2/1994	Gender:	Male
Address:	13,Jalan Meranti		
Nationality:	Malaysia		
Email:	siawtungfang@gmail.com		
Company ID:	CPN1		
Status :	Hire		

Worker Passport Details

Passport ID:	A123123809		
Identity Number:	werwer		
Place Of Issue:	Segamat	Date Of Issue:	14/9/2016
Date Of Expired:	16/9/2018	Height	178
Country Code:	60	Place Of Birth:	123
Type:	PA		

14.2.7 Company check worker working permit

FORIEGN WORKER AGENCY

Welcome CPN1! [Log Out]

Home Worker Permit

...APPLY PERMIT...

Worker Details

Worker ID:	WK2		
Password:	123		
First Name:	Ivan		
Last Name:	Fang		
Date Of Birth:	23/2/1994	Gender:	Male
Address:	13,Jalan Meranti		
Nationality:	Malaysia		
Email:	siawtungfang@gmail.com		
Company ID:	CPN1		
Status ID:	Hire		

Worker Passport Details

Passport ID:	A123123809		
Identity Number:	werwer		
Place Of Issue:	Segamat	Date Of Issue:	14/9/2016
Date Of Expired:	16/9/2018	Height	178
Country Code:	60	Place Of Birth:	123
Type:	PA		

Permit Details

Permit ID:	PM622016125355		
Date Of Issue:	Pending	Date Of Expire:	
Status:			

14.3 Staff

14.3.1 Staff change password

The screenshot shows a web-based application titled "FOREIGN WORKER AGENCY SYSTEM". At the top right, it says "Welcome STF2! [Log Out]". Below the title, there is a navigation bar with three tabs: "Account", "Company", and "Worker", where "Account" is currently selected. The main content area is titled "CHANGE PASSWORD" and contains a form for changing account information. The form is labeled "Account Information" and includes three input fields: "Old Password", "New Password", and "Confirm New Password", each with its own input box. At the bottom right of the form are two buttons: "Save Change" and "Cancel".

FOREIGN WORKER AGENCY SYSTEM

Welcome STF2! [Log Out]

Account Company Worker

CHANGE PASSWORD

Account Information

Old Password:

New Password:

Confirm New Password:

Save Change Cancel

14.3.2 Staff ass new company

FOREIGN WORKER AGENCY SYSTEM

Welcome STF2! [Log Out]

Account Company Worker

NEW COMPANY

Company Registration Number

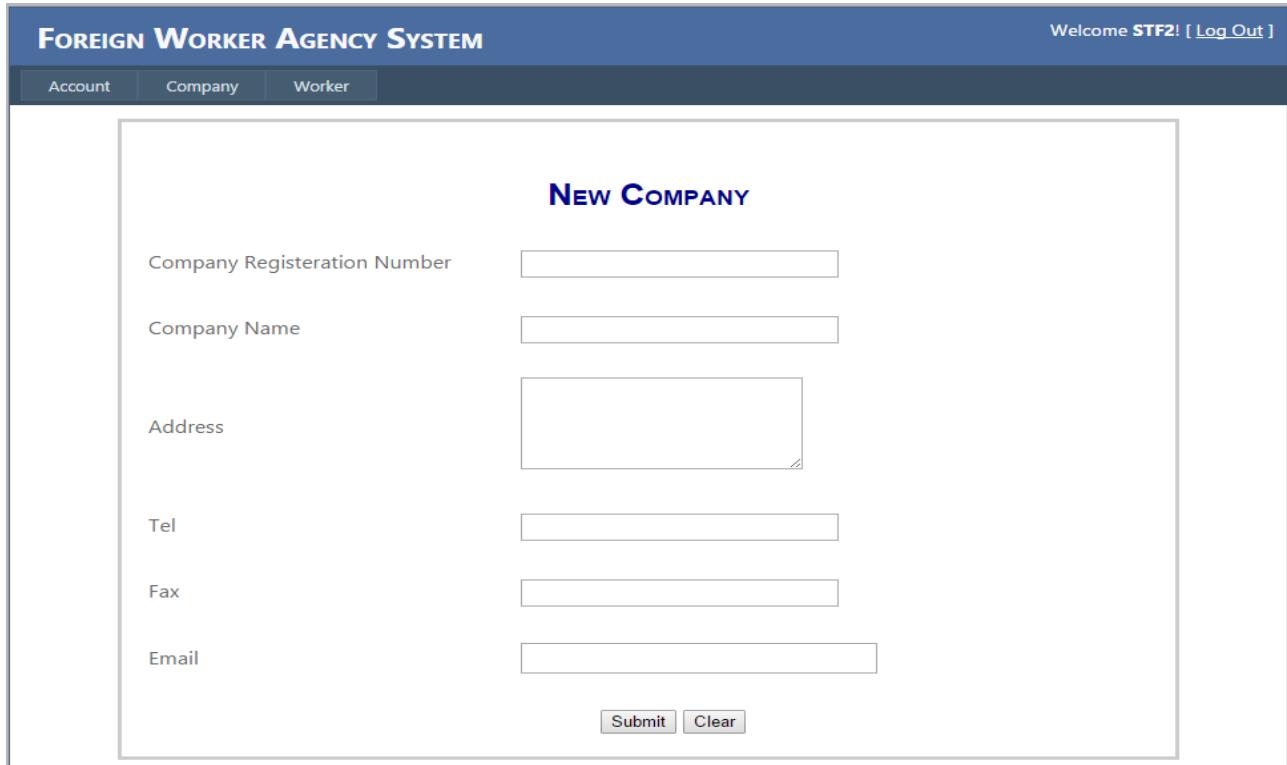
Company Name

Address

Tel

Fax

Email



14.3.3 Staff views company details

FOREIGN WORKER AGENCY SYSTEM

Welcome STF2! [Log Out]

Account Company Worker

COMPANY DETAILS	
Company ID	CPN1
Company Name	ABC SDN BHD
Password	123
Company Registratin No	1019185-A
Address	110,TAMAN NILAI,JALAN 1,50400 KUALA LUMPUR, MALAYSIA
Tel	(603) 2161-8888
Fax	(603) 2161-2393
Email	ABC@abc.com

[Back](#)

14.3.4 Staff updates company details

FOREIGN WORKER AGENCY SYSTEM

Welcome STF2! [Log Out]

Account Company Worker

NEW COMPANY

Company ID	CPN1
Company Registration Number	1019185-A
Company Name	ABC SDN BHD
Company Password	123
Address	110, TAMAN NILAI, JALAN 1, 50400 KUALA LUMPUR, MALAYSIA
Tel	(603) 2161-8888
Fax	(603) 2161-2393
Email	ABC@abc.com

14.3.5 Staff adds new worker

FOREIGN WORKER AGENCY SYSTEM

Welcome STF2! [[Log Out](#)]

Account Company Worker

NEW WORKER

Worker Details

First Name	<input type="text"/>	Last Name	<input type="text"/>
DOB (DD/MM/YYYY)	<input type="text"/>	Gender	<input type="radio"/> Male <input type="radio"/> Female
Nationality	<input type="text"/>		
Address	<input type="text"/>		
Tel	<input type="text"/>	Email	<input type="text"/>
Company Name	<input type="text" value="ABC SDN BHD"/>		

Passport Details

Pasport Type	<input type="text"/>		
Passport No	<input type="text"/>	Nationality	<input type="text"/>
Gender	<input type="radio"/> Male <input type="radio"/> Female	Height	<input type="text"/>
DOB(DD/MM/YYYY)	<input type="text"/>	Place of Birth	<input type="text"/>
Date Of Issue (DD/MM/YYYY)	<input type="text"/>	Identity No	<input type="text"/>
Date Of Expiry (DD/MM/YYYY)	<input type="text"/>	Issuring Office	<input type="text"/>

14.3.6 Staff views worker details

FOREIGN WORKER AGENCY SYSTEM

Welcome STF2! [Log Out]

Account Company Worker

>WORKER DETAILS			
Worker Details			
Worker ID	WK2	Password	123
First Name	Ivan	Last Name	Fang
DOB (DD/MM/YYYY)	23/2/1994	Gender	Male
Nationality	Malaysia		
Address	13,Jalan Meranti		
Tel	+60142794574	Email	siawtungfang@gmail.com
Company ID	CPN1	Working Status	Hire
Passport Details			
Pasport Type	PA		
Passport No	A123123809	Nationality	Malaysia
Gender	Male	Height	178
DOB(DD/MM/YYYY)	2/1/1957	Place of Birth	123
Date Of Issue (DD/MM/YYYY)	14/9/2016	Identity No	werwer
Date Of Expiry (DD/MM/YYYY)	16/9/2018	Issuring Office	Segamat
<input type="button" value="Back"/>			

14.3.7 Staff edits worker details

FOREIGN WORKER AGENCY SYSTEM
 Welcome STF2! [Log Out]

[Account](#) [Company](#) [Worker](#)

UPDATE WORKER DETAILS

Worker Details			
Worker ID	WK2	Password	123
First Name	Ivan	Last Name	Fang
DOB (DD/MM/YYYY)	23/2/1994	Gender	Male
Nationality	Malaysia		
Address	13,Jalan Meranti		
Tel	+60142794574	Email	siawtungfang@gmail.com
Passport Details			
Pasport Type	PA		
Passport No	A123123809	Nationality	Malaysia
Gender	Male	Height	178
DOB(DD/MM/YYYY)	2/1/1957	Place of Birth	123
Date Of Issue (DD/MM/YYYY)	14/9/2016	Identity No	werwer
Date Of Expiry (DD/MM/YYYY)	16/9/2018	Issuring Office	Segamat
<input type="button" value="Save Changes"/> <input type="button" value="Cancel"/>			

14.3.8 Staff view and renew worker working permit

FOREIGN WORKER AGENCY SYSTEM				Welcome STF2: [Log Out]
Account	Company	Worker		
WORKER PERMIT				
Permit Details				
Permit ID	PM622016125355			
Start Date		End Date		
Status	Pending			
Worker Details				
First Name	Ivan	Last Name	Fang	
DOB (DD/MM/YYYY)	23/2/1994	Gender	Male	
Nationality	Malaysia			
Address	13,Jalan Meranti			
Tel	+60142794574	Email	siawtungfang@gmail.com	
Passport Details				
Pasport Type	PA			
Passport No	A123123809	Nationality		
Gender	Male	Height	178	
DOB(DD/MM/YYYY)	2/1/1957	Place of Birth	123	
Date Of Issue (DD/MM/YYYY)	14/9/2016	Identity No	werwer	
Date Of Expiry (DD/MM/YYYY)	16/9/2018	Issuring Office	Segamat	
<input type="button" value="Back"/>		<input type="button" value="Renew"/>		

14.4 Manager

14.4.1 Manager change password

FORIEGN WORKER AGENCY

Welcome MNG1! [Log Out]

Change Password

Account Information

Old Password:

New Password:

Confirm New Password:

14.4.2 Manager view worker details

FORIEGN WORKER AGENCY				Welcome MNG1! [Log Out]
Change Password	View Worker Info	View Company Info	Approve Permit	
Worker Details				
Worker ID	WK2	Password	123	
First Name	Ivan	Last Name	Fang	
DOB (DD/MM/YYYY)	23/2/1994	Gender	Male	
Nationality	Malaysia			
Address	13,Jalan Meranti			
Tel	+60142794574	Email	siawtungfang@gmail.com	
Company ID	CPN1	Working Status	Hire	
Passport Details				
Pasport Type	PA			
Passport No	A123123809	Nationality	Malaysia	
Gender	Male	Height	178	
DOB(DD/MM/YYYY)	2/1/1957	Place of Birth	123	
Date Of Issue (DD/MM/YYYY)	14/9/2016	Identity No	werwer	
Date Of Expiry (DD/MM/YYYY)	16/9/2018	Issuring Office	Segamat	
Back				

14.4.3 Manager view company details

FORIEGN WORKER AGENCY

Welcome MNG1! [Log Out]

Change Password View Worker Info View Company Info Approve Permit

COMPANY DETAILS	
Company ID	CPN1
Company Name	ABC SDN BHD
Password	123
Company Registration No	1019185-A
Address	110,TAMAN NILAI,JALAN 1,50400 KUALA LUMPUR, MALAYSIA
Tel	(603) 2161-8888
Fax	(603) 2161-2393
Email	ABC@abc.com

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15 Conclusion

15.1 Summary of Results

Through our effort for about ten weeks, we had succeed to complete and create a small system which is Foreign Worker Agency System. We had learned many during this period.

Foreign Worker Agency is an unfamiliar industry for us. We have to find out what is their operation method in every department for agency manager and staff. Our system also include operation for their customer (Company) and foreign worker to make the communication easier between each other.

Teamwork is an important issue when we carry on this project, we need to discuss most of the things to make this system more standardized and complete. We also learned how we do the planning for the system such as how to distribute the time for each phrase of system.

15.2 Problems Encountered

Problem that we face through this project is Foreign Worker Agency is an unfamiliar industry for us. We have no idea how they handle new foreign worker, is there any process that we don't know? Is the foreign worker agency is the person who have the power to give the working permit to foreign worker? Or it still have a process that will go through the government?

15.3 Limitations and Future Enhancements

- The customer (company) of foreign worker agency still have to go to their office to submit the document such as copy of worker's passport, photo of new foreign worker because our system have not file upload function.
- We can give the staff and manager more function such as apply leave.
- We can improve the interface and make it become more user friendly and beautiful.

16 User Guide

<This section is **Optional**. Write a user guide on how to use the system and place it here.>