

WineSight Requirements Specification

Final Version

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WineSight Requirements Specification

Logo



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1. Executive Summary

1.1 Project Overview

In our project we implement a Web- based application for a Winery Management system. We decided on the title of our project to be WineSight. The Winery Management system aims to build an application which will ease the management of the winery in an effective and efficient way. It will be an easy –to- use application which will have the following functionalities and user characteristics:

1-BOD which can log into their own account which can view all pages in the software and the information it provides but can only edit the personal information located in Admin.

2-Admin which can log into the admin account which has access to all accounts and can connect to other users by sending e-mail.

3- HR Manager which has access to past reports and has the obligation to upload monthly reports of his department when the time is due.

4- Sales Director which has to upload the monthly reports of his department and can change the information on his account while having the HR Manager permission.

5- Financier which is able to view only his old reports and connect to other user via e-mail.

6- The Specialist of the company which need to upload its own weekly reports and can also build graphics with the data he/she has put into the system in order to analyze it.

It will also offer the features listed below:

- Show the sales.
- Keeping track of the purchases.
- Having records on the products that the company offers.
- Showing which product is easier to produce and is more profitable and also shows which problems the company faces.
- Ensuring that there are no problems with taxes and that they are computed in a correct way.
- A method of innovation in our project will be the ability to contact with the employees and with seasonal workers.
- 2 hardware devices (hand-held device and drone) will help the specialist of the company measure and analyze the data regarding raw ingredients.

1.2 Purpose and Scope of this Specification

The Winery management system will solely be designed with the purpose of offering the capabilities and features, so we can help a certain winery in their ways of managing and operating. This management system may become a center of focus which will help the winery work in a more efficient manner and in the end is able to bring more profits in the company.

It will make it easier for every operator to find the needed material faster but also keep track of every process and data collected. We want the program to be designed in a way which is easy for every user to work on and that does not have unnecessary elements to it.

2. Product/Service Description

2.1 Product Context

Our software's main aim is to facilitate the managerial objectives of the "Gjergj Kastrioti Skenderbeu" winery. It will be an independent web app that will be accessible from six major genres of users which are: BOD, HR Manager, Administrator, Sales Director, Financier and the Specialist. The Admin will have the superior access to this program.

2.2 User Characteristics

1. BOD

- can log in the BOD account(common account for all BOD members)
- can view the reports uploaded by admin
- can edit Admin personal information
- can view all Admin actions on the software
- can view all pages on the software same as Admin
- can connect to other users by sending email
- can log out

2.Admin

- can log in to admin account
- can upload monthly reports of the company overall to BOD
- can view his past reports

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- can connect to other users by sending email
- can view the HR manager's, Sales Director's, Specialist's, and Financier's page
- can change the password of admin account
- can edit personal info with the BOD permission
- can log out

3.HR Manager

- can edit personal info with admin permission
- can log in to his account
- can change the account's password
- can upload the monthly reports of his department
- can view his past reports
- can connect to other users by sending email
- can log out

4. Sales Director

- can log in to his account
- can change the password of his account
- can upload monthly reports of his department
- can edit his account with the HR Manager permission
- can build graphics related to sales and distribution area
- can view his old reports
- can connect to other users by sending email
- can log out

5. Financier

- can log in to his account
- can upload monthly reports of his department
- can view his old reports
- can change the password of his account
- can edit the personal info with the permission of the HR Manager
- can build graphics related to financial area
- can view specific data of both the HR Manager's page and Sales Director's page
- can connect to other users by sending email
- can log out

6. The Specialist

- can log in to his account
- can upload weekly reports
- can view his past reports
- can change the password of his account
- can edit his personal info with the permission of the HR Manager
- can build graphics
- can log out

2.3 Assumptions

- It is assumed that all the actions are performed regularly according to the law
- It is assumed that the profile of admin is created by BOD and it can not be changed, edit or deleted by anyone else except the BOD permission
- It is assumed that while editing a new Sales director, Admin ,Financier, Specialist Personal

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information the HR manager should make sure that all needed information is verified and documented.

- It is assumed that the HR manager, Specialist, admin, financier, and Sales director will be trained to use this program in order to avoid difficulties in using it. As for the BOD there is no need for training as their profile is only read mode.
- It is assumed that the admin will know that his actions on the program are registered and accessed only by BOD.

2.4 Constraints

This project is constrained by the internet connection since it is supposed to be a web app. It needs a stable internet connection.

2.5 Dependencies

This system is an independent system. The admin personal info update is dependent on the BOD permission. The other users personal info update is dependent on the HR Manager permission.

3. Requirements

3.1 Functional Requirements

Req#	Requirement	Comments	Priority	Date Rvwd	SME Reviewed / Approved
BR_01	The Software should have different views for different accounts that correspond to various user levels.	Administrator, accountant, sales manager, HR manager, Specialist will all have different views.	2	03/06/2019	Anxhela Kastrati/ Adelajda Rami
BR_02	Each level of user will have an authentic username and password.	By entering their personal username and password they can be logged in to their respective page.	1	02/06/2019	Anxhela Kastrati/ Adelajda Rami
BR_03	Each account will have an unique Id.	Id must be unique so that no two users will have the same one.	2	03/06/2019	Anxhela Kastrati/ Adelajda Rami
BR_04	A database will be created to hold all information about id, username, password for each user.	By having a database it makes the authentication process run more easily, secure.	2	03/06/2019	Lorika Bercaka/ Borana Begaj
BR_05	The system should check if the user exists in the database.	If they have entered the correct information (user/psw), they will be logged in and the system will firstly check the database.	2	03/06/2019	Lorika Bercaka/ Borana Begaj

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Req#	Requirement	Comments	Priorit y	Date Rvwd	SME Reviewed / Approved
BR_06	Once the user has logged in with the given username and password they can change the password but not the username.	Changing the username is not included in the rights of the users, because it interferes with the authentication process.	1	02/06/2019	Anxhela Kastrati
BR_07	A view will be created for the 4 members of the BOD. 1 account with the same username and password will be given to all of them.	There are 4 BOD members in the company, and all 4 of them will have the same account.	2	04/06/2019	Erjon Halili/Borana Begaj
BR_08	BOD members will have the same view as the Administrator, they can see everything but have no editing rights.	BOD members can see everything but do not have the right to edit things.	2	04/06/2019	Erjon Halili/Lori ka Bercaka
BR_09	BOD members will be provided with one unique feature that only they can see: be informed with the administrator's actions.	Since they elect the administrator of the company they have the right to see the actions done by the admin.	1	03/06/2019	Erjon Halili/ Lorika Bercaka
BR_10	Administrator will be given the right to control most parts of the software.	Admin will be able to see the whole software and can change/edit parts of it.	2	03/06/2019	Anxhela Kastrati/ Borana Begaj
BR_11	Administrator can organize activities, they will almost have all the rights that the other users have.	They will control everything besides the main construct of the software.	1	04/06/2019	Anxhela kastrati

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Req#	Requirement	Comments	Priorit y	Date Rvwd	SME Reviewed / Approved
BR_12	Administrator can add/remove accounts/users.	The admin should be able to approve the creation of accounts and employee data. And also they can add new users or remove the newly added users from the software.	2	04/06/2019	Anxhela Kastrati
BR_13	Administrator will have the right to view the financial part of the company, add/remove invoices and other financial reports.	Financial reports generated by the Administrator will also be presented in the BOD view.	2	03/06/2019	Anxhela Kastrati
BR_14	Administrator should be able to add/remove suppliers.	They have the right to make this change.	2	04/06/2019	Anxhela Kastrati
BR_15	Administrator should get the data from the Specialist and make some forecasting reports that will later be saved in a specific table on the database.	The specialist will provide some useful information to the admin and he will process it.	2	02/06/2019	Anxhela Kastrati/ Lorika Bercaka
BR_16	Administrator can access personal files regarding the employees of the company.	Admin should access these files in order to have better knowledge.	2	03/06/2019	Anxhela Kastrati

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Req#	Requirement	Comments	Priorit y	Date Rvwd	SME Reviewed / Approved
BR_17	A table will be created for raw ingredients, employee data, seasonal employees. Financial data etc.	The databases will help the company better organize their vineyard, manage their employees and overall increase the efficiency of the company.	1	03/06/2019	Lorika Bercaka/ Adelajda Rami
BR_18	Financier of the company will have their own view, to add/remove financial data.	The accountant is responsible for financial information such as revenue, expenses, different costs and other data regarding this field.	2	02/06/2019	Adelajda Rami/ Borana Begaj
BR_19	The financier should make weekly reports and send them to the Administrator.	The acc. gathers raw information, process it and then make useful data to be send to the admin.	2	03/06/2019	Adelajda Rami/ Anxhela Kastrati
BR_20	Sales director of the company will have their own view to access their rights.	They will have limited rights according to their area.	1	02/06/2019	Borana Begaj/ Lorika Bercaka
BR_21	Sales director can manage the distribution process.	They have the right to add/remove data regarding the 3 main areas of distribution in Albania.	3	02/06/2019	Borana Begaj/ Anxhela Kastrati
BR_22	Sales director also concerns with the sales of the company in other small shops or individuals.	Gather info about sales in all the areas that the company functions.	3	03/06/2019	Borana Begaj/ Adelajda Rami

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Req#	Requirement	Comments	Priorit y	Date Rvwd	SME Reviewed / Approved
BR_23	Sales director is responsible with the distribution process, inventory and the databases associated with them.	They have the right and responsibility to enter useful data regarding their area that later will be sent to the admin of the company.	1	02/06/2019	Borana Begaj/ Adelajda Rami
BR_24	HR manager will have their own unique view.	HR manager will have their specific rights in their page.	1	03/06/2019	Lorika Bercaka/ Anxhela Kastrati
BR_25	The HR manager can add/delete/update employee accounts.	The can add new employees or delete them.	2	04/06/2019	Lorika Bercaka/ Borana Begaj
BR_26	HR manager can determine an employee's salary.	Multiple factors will be taken into consideration when determining the salary every employee.	2	04/06/2019	Lorika Bercaka/ Adelajda Rami
BR_27	A table with an innovational feature regarding the seasonal employees will be controlled by the HR manager.	Seasonal employee's part was one of the problems that the company faces. Our way of accessing them will try to bring a solution to this particular problem.	1	03/06/2019	Lorika Bercaka

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Req#	Requirement	Comments	Priorit y	Date Rvwd	SME Reviewed / Approved
BR_28	The table of the seasonal employees will contain information about the previous contacted workers and also their abilities in harvesting and other processes.	Top harvesters, meaning the most working employees will be contacted first through notifications in their phones, and if an agreement Is made a bonus will be given to them if they continue with the same progress as in previous years. This will also be a motivation for others.	1	03/06/2019	Lorika Bercaka
BR_29	The table will include their unique id, name, surname, phone number and the records of previous working years.	To make the approach of these employees more efficient and less time consuming we use this database.	1	02/06/2019	Lorika Bercaka
BR_30	HR manager should make reports and send them to the Administrator.	Reports of this kind of information should be sent to the Admin of the company by the HR manager.	2	03/06/2019	Lorika Bercka/ Anxhela Kastrati
BR_31	The Specialist will have an unique view of the software.	His rights and obligations are connected mostly with the vineyard.	1	04/06/2019	Anxhela Kastrati/ Borana Begaj
BR_32	The specialist will get the reports of the hand held machine (used to measure % of different factors)	He will be in charge of this records and supervise the progress with the help of a database.	2	02/06/2019	Anxhela Kastrati

Req#	Requirement	Comments	Priorit y	Date Rvwd	SME Reviewed / Approved
BR_33	Another innovational feature that helps increase the efficiency of the company, is to offer check-ups via drone.	The drone can cover the whole area of the vineyard consisting of 42 Ha within minutes. The specialist is in charge of analyzing the content of the videos and keeping clear records about the results.	3	02/06/2019	Anxhela Kastrati
BR_34	The specialist will send the weekly or monthly reports to the Administrator.	Every other user besides the BOD members will send their reports to the admin.	1	03/06/2019	Anxhela Kastrati/ Erjon Halili

3.2 Non-Functional Requirements

3.2.1 User Interface Requirements

The user interface of the web-based application will be executable to browsers like Chrome Mozilla or Internet Explorer. Before entering the system each of our users: BOD members, Administrator, HR manager, Sales director, Accountant or the Specialist will face each a login interface where they must provide their personal username and password.

After this step each user, will be sent to his/hers own appropriate view.

- BOD members will have the complete view of the software, data regarding the admin actions and some rights they have over the administrator.
- Admin will also have the complete view of the software. They will have editing rights in some areas.
- HR manager will have their own unique view where they can perform their actions.

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- Sales director will have their own page where buttons graphs and many other options will be present.
- Accountant/ Financier will have their own unique view where they can perform the financial actions of the company.
- The Specialist will have their own view and will be provided many graph options and other extras in order to facilitate their duties.
- The “**Log out**” will terminate sessions and will resent the user to the main page.

3.2.2 Product Requirements

3.2.2.1 Usability Requirements

- The software is user-friendly which makes it easy to work with.
- Each operation will be fast and in real time.
- If an error occurs it can be edited and corrected immediately.
- The software shall be easy to update in order to accommodate new requirements.
- The software is secure.

3.2.2.2 Efficiency Requirements

3.2.1.2.1 Performance Requirements

- It can support multiple users.
- The software will be based on web and has to be run from a web server.
- Time of loading depends on different hardware and internet connection.
- The software will be active and utilized 24 hours on every day of the week.

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- Since the project is built up on a specific winery, the geographic coverage area of the software will be inside the winery.
- The system is not available on customers.
- The system will be reliable.
- Scheduled maintenance on the system shall not affect its functionality. In case of any problem unscheduled maintenance of the application shall not allow the system to be down for more than 1 hour.
- It will be available in English and in Albanian.

3.2.1.2.2 Space Requirements

- The application needs to be stored in a web server.
- The application will have a maximum size of 200 MB.
- The database used is expected to be large but not very complex. It will probably occupy a considerable amount of space but not as much as the application itself.

3.2.2.3 Dependability Requirements

Being a Web Application, It needs a stable internet connection. The application should be able to load, even by having a slow Internet connection speed but to have a better performance having high internet speed is preferred.

3.2.2.4 Security Requirements

To protect the system from malicious or accidental access, modification, disclosure, destruction, or misuse the software will:

- Encrypt the most sensitive information using hashing methods in order to protect privacy.
- We will keep tract of the activity of each user, such that in case of error the user will be held responsible.
- The methods that will be used to insert and store data in the database, will assure stability, check data integrity and prevent injections from inside or outside of the system.
- Some tools like PubCookie will be used in order to make this process more reliable.

3.2.3 Organizational Requirements

3.2.3.1 Environmental Requirements

The software will be able to run on every browser that the user might want to use.(Chrome, Mozilla, Internet Explorer etc)

3.2.3.2 Operational Requirements

Before entering the system each of our users: BOD members, Administrator, HR manager, Sales director, Accountant or the Specialist will face each a login interface where they must provide their personal username and password. After this step each user, will be sent to his/hers own appropriate view.

Some of the operations required by the users are:

- The users shall be able to log in and to access their information anytime.
- The information entered to the system shall be secure.
- The information entered to the system shall be accessed only by the people who really need access.
- Add/ remove/ update data.
- Create periodic reports.
- Can log out.

3.2.3.3 Development Requirements

- BOD members will have the complete view of the software, data regarding the admin actions and some rights they have over the administrator.
- Admin will also have the complete view of the software. They will have editing rights in some areas.
- HR manager will have their own unique view where they can perform their actions.
- Sales director will have their own page where buttons graphs and many other options will be present.

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- Accountant/ Financier will have their own unique view where they can perform the financial actions of the company.
- The Specialist will have their own view and will be provided many graph options and other extras in order to facilitate their duties.
- The “**Log out**” will terminate sessions and will resent the user to the main page.

3.2.4 External Requirements

3.2.4.1 Regulatory Requirements

The company we are referring in this project has the following characteristics:

- If there are vacant spots in the company for jobs, they make an announcement on their website, stating the position job and its description.
- They don't sell their products online.
- They don't sell their products to minors.
- They value personal information of their employees, so spreading them is illegal.
- The information kept in the system's database is considered to be sensitive information.

3.2.4.2 Ethical Requirements

- The software should respect the confidentiality of the employees, clients, suppliers or anyone included in this process, regardless of whether or not a formal confidentiality agreement has been signed.
- Users of this software are not permitted to use offensive language.
- The system shall comply with the local and national laws regarding the use of software tools.

3.2.4.3 Legislative Requirements

According to Law Nr. 9887, datë 10.03.2008, ndryshuar me ligjin Nr. 48/2012

“PËR MBROJTJEN E TË DHËNAVE PERSONALE”

Në mbështetje të neneve 78 dhe 83 pika 1 të Kushtetutës, me propozimin e Këshillit të Ministrave. Në këtë ligj termat e mëposhtëm kanë këto kuptime:

1. “Të dhëna personale” është çdo informacion në lidhje me një person fizik, të identifikuar ose të identifikueshëm, direkt ose indirekt, në veçanti duke iu referuar një numri identifikimi ose një

a më shumë faktorëve të veçantë për identitetin e tij fizik, fiziologjik, mendor, ekonomik, kulturor apo social.

2. “E dhënë gjyqësore” është çdo e dhënë lidhur me vendimet në fushën e gjykimeve penale,

civile, administrative apo me dokumentimet në regjistrat penalë, civilë, ato të dënimive administrative etj.

3. “E dhënë anonime” është çdo e dhënë, që në origjinë ose gjatë përpunimit, nuk mund t’i shoqërohet një individi, të identifikuar ose të identifikueshëm.

4. “Të dhëna sensitive” është çdo informacion për personin fizik, që ka të bëjë me origjinën e tij, racore ose etnike, mendimet politike, anëtarësimin në sindikata, besimin, fetar apo filozofik, dënimin penal, si dhe të dhëna për shëndetin dhe jetën seksuale.

5. “I ngarkuar” është personi që kryen përpunimin e të dhënave, me autorizim nga titullari ose personi përgjegjës.

According to Law Nr. 9518, datë 18.4.2006

PËR MBROJTJEN E TË MITURVE NGA PËRDORIMI I ALKOOLIT

Në mbështetje të neneve 78 dhe 83 pika 1 të Kushtetutës, me propozimin e një grupei deputetësh,

A. Neni 1

Qëllimi i ligjit

Ky ligj ka si qëllim parandalimin e pasojave shëndetësore nga konsumi i alkoolit, nëpërmjet përdorimit të pijeve alkoolike nga të miturit.

B. Neni 2

Objekti i ligjit

Objekti i ligjit është ndalimi i përdorimit të pijeve alkoolike nga të miturit.

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Në kuptimin e këtij ligji, pije alkoolike konsiderohen ato pije, që në volumin e tyre kanë përqindje të alkoolit të barabartë ose më të lartë se 1,2 për qind.

C. Neni 3

Reklama e pijeve alkoolike

Konsiderohet reklamë e pijeve alkoolike çdo formë komunikimi, udhëzimi apo veprimi tregtar i ngjashëm me to dhe që në mënyrë të drejtpërdrejtë ose jo ndikon në nxitjen e përdorimit të alkoolit.

4. User Scenarios/Use Cases

4.1 Requirements Analysis

4.1.1 User Scenarios

4.1.1.1 User scenarios list

Nr	Name	Description
US_01	User Log In	User:BOD,Admin,HR Manager, Sales Director, Financier,Specialist can sign in using their username and password
US_02	Change password	Users:BOD,Admin,HR Manager, Sales Director, Financier,Specialist can change the password of their account.
US_03	Add User	Administrator create accounts for new users.
US_04	Administrator creates report	Admin can generate monthly reports to his account
US_05	HR Manager creates report	Human Resource Management can generate reports.
US_06	Financer creates report	Financier can generate monthly reports.
US_07	Sales director creates report	Sales Director can create monthly reports of his department on his personal account.
US_08	Specialist creates report.	Specialist can generate reports on a weekly basis
US_09	Make order	Sales director can make the company's orders.

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US_10	HR assign salaries	HR Manager should assign salaries for the company employees monthly
US_11	Delete an employee	Human Resources can delete an employee.
US_12	Update employee user.	HR management is able to update an employee user.
US_13	Add a new employee user.	HR management is able to add a new employee user.
US_14	Update inventory	Sales director can update the inventory files.
US_15	User update	Human Resource Management, Sales Director, Specialist and Financier are able to update their personal page.
US_16	View profile	Board of directors can view his/her personal page and other pages.
US_17	View profile	HR management views employee's profile
US_18	Add suppliers	Sales director adds suppliers by importing data that is sent to them.
US_19	Delete supplier	Sales director can delete an existing supplier
US_20	Update supplier	Sales director can update personal information of a supplier.

4.1.1.2 User scenarios extended

US_01: Scenario-User logs in

a. User enters his username and password

b. User presses the log in button

- c. If data is correct the user is redirected to his profile page
- d. If data is not correct an error message will be shown and user repeats the process from step b.

US-02: Scenario – Change password

- a. User logs in following the steps in “Scenario - User logs in”
- b. User chooses the menu change password
- c. User types his old password
- d. User types his new password
- e. User types again his new password to confirm it
- f. User presses the button “Create Password”
- g. If the old password is correct and if the new password is the same in both fields and completes the validation rules the user is alerted:

“Password was changed successfully!”

- h. In case the old password is wrong or the new password is not the same in both fields or does not satisfy the validation rules then user is alerted:

“Password was not changed. Please try again.”

US_03. Scenario – Add user

- a. Administrator logs in following the steps in “Scenario - User logs in”
- b. Administrator clicks on “Create User”
- c. Administrator fills all the empty fields

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- d. Administrator double checks if the data entered is correct
- e. Receptionist clicks the button “Create”
- f. If data validation according to the specified requirements is passed successfully, the data is saved in the database and the account is created. An informative message “User added successfully”
- g. If validation is not passed successfully, informative messages will show where the problem is, so the administrator can fix it and continue again from step d.

US_04. Scenario – Administrator creates report

- a. Administrator logs in following the steps in “Scenario - User logs in”
- b. Administrator clicks on “New Report”
- c. Administrator fills all the empty fields
- d. Administrator double checks if the data entered is correct
- e. Administrator clicks the button “Save”
- f. After saving the file an informative message “Report successfully created”

US_05. Scenario – HR Manager creates report

- a. HR Manager logs in following the steps in “Scenario - User logs in”
- b. HR Manager clicks on “New Report”
- c. HR Manager fills all the empty fields
- d. HR Manager double checks if the data entered is correct
- e. HR Manager clicks the button “Save”
- f. After saving the file an informative message “Report successfully created”

US_06. Scenario – Financier creates report

- a.Financier logs in following the steps in “Scenario - User logs in”
- b.Financier clicks on “New Report”
- c. Financier fills all the empty fields
- d. Financier double checks if the data entered is correct
 - e. Financier clicks the button “Save”
 - f. After saving the file an informative message “Report successfully created”

US_07. Scenario – Sales Director creates report

- a.Sales Director logs in following the steps in “Scenario - User logs in”
- b. Sales Director clicks on “New Report”
- c. Sales Director fills all the empty fields
- d. Sales Director double checks if the data entered is correct
 - e.Sales Director clicks the button “Save”
 - f. After saving the file an informative message “Report successfully created”

US_08. Scenario- Specialist creates report.

- a.Specialist logs in following the steps in “Scenario - User logs in”
- b. Specialist clicks on “New Report”
- c.Specialist fills all the empty fields

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- d. Specialist double checks if the data entered is correct
 - e. Specialist clicks the button “Save”
 - f. After saving the file an informative message “Report successfully created”

US_09. Scenario- Make order

- a. Sales Director is able to make company’s order.
- b. Sales Director clicks on “new order” button
- c. Selects the type of order and amount.
- d. Clicks on “request order”

US_10.Scenario.Assign Salaries

- a.HR manager is in charge for assigning the salaries for employees.
- b.Salaries depend on hours of work.
- c. After collecting information the HR manager then formulates a form containing the amount and sends it to the financier for approval.
- d. The financier approves and through the system the employee is paid.

US_11. Scenario – Delete an employee

- a.HR management searches for the employee.
- b.HR management then clicks on the button “Delete” for the employee which was the result of our search.
- c.Alert: Continue YES/NO
- d.If NO we stay in the same page.

e.If YES validation begins.

US_12. Scenario – Update an employee

- a. HR management searches for the employee.
- b. HR management then clicks on the button “Update” for the employee which was the result of our search.
- c. The current information for the employee is then shown.
- d. The changes are made.
- e. HR management then clicks on “Update” button.
- f. Alert: Continue YES/NO
- g. If NO we stay in the same page.
- h. If YES validation begins.
- i. If the validation is successful we receive the corresponding message.
- j. if validation is not successful HR management can make changes.

US_13. Scenario – Add a new employee user

- a. HR manager is able to add a new employee.
- b. Certain information are needed like:
 - 1) Name
 - 2) Surname
 - 3) Birthday
 - 4) email

5) phone number

etc

- c. Then this inserted information will go through the validation process.
- d. If data is correct the employee will be registered, otherwise it will not.

US_14. Scenario-Update inventory

- a. Sales director can update the inventory files.
- b. Sales director logs in.
- c. Search the file they need.
- d. Clicks on “Update” button.

US_15. Scenario – Users update

HR management:

- a. HR management updates his/ her profile.
- b. HR management then clicks on the button “Update” .
- c. Alert: Continue YES/NO.
- d. If NO the we stay in the same page.
- e. If YES the validation continues.

Sales Director:

- a. Sales Director updates his/ her profile.
- b. Sales Director then clicks on the button “Update” .
- c. Alert: Continue YES/NO.
- d. If NO the we stay in the same page.

- e. If YES the validation continues.

Specialist:

- a. Specialist updates his/her profile.
- b. Specialist then clicks the button “Update”.
- c. Alert: Continue YES/NO.
- d. If NO the we stay in the same page.
- e. If YES the validation continues.

Financier:

- a. Financier updates his /her profile.
- b. Financier then clicks the button “Update”.
- c. Alert: Continue YES/NO.
- d. If NO the we stay in the same page.
- e. If YES the validation continues.

US_16. Scenario – View profile

1. BOD members have their own type of view in the system.
2. BOD consist of four members.
3. Each one of them will have a file consisting of their personal information.
4. They can update any area within this file.
5. Edits will go through validation process to make sure correct data is being added.

US_17. Scenario – View profile

a.HR management views employee's profile

b. The person in charge as the HR manager is able to see the employee's data consisting of:

- name
- surname
- birthday
- email
- phone number
- academic degree
- etc

US_18. Add Suppliers

- a. Sales Director is able to add suppliers.
- b. Some information is needed.
- c. Sales director should be logged in.
- d. Clicks on “Add supplier” button.
- e. The information inserted then goes to the validation process, if correct the supplier is added, if not no change happens.

US_19.Scenario- Delete supplier.

- a. Sales Director is able delete suppliers.
- b. Some information is needed.
- c. Sales director should be logged in.
- d. Clicks on “Add supplier” button.
- e. The information inserted then goes to the validation process, if correct the supplier is deleted, if not no change happens.

US_20.Scenario- Update supplier.

- a. Sales director is able to update supplier.
- b. Some information is needed.
- c. Sales director should be logged in.
- d. Clicks on “Update supplier” button.
- e. The information inserted then goes to the validation process, if correct the supplier is updated, if not no change happens.

4.1.2 USER CASES

Name	User log in
Summary	Each user enters his personal data to have access to his account.
Actor	BOD,Admin,Financier,Specialist,HR Manager, Sales Director
Description	Each user can have access to his account after entering correctly his unique username and password.
Precondition	Each user must have a registered and active account.
Alternatives	Each user can have access to only one account at a time. There is only one account for all BOD members.
PostCondition	User is logged in his account

UC_01-US_01-User log in

Name	Change password
Summary	User goes to a page to change the password of his account.
Actor	BOD,Admin,Financier,Specialist,HR Manager, Sales Director

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Description	The user enters the current password and creates a new password for his account..
Precondition	The user must be logged on his account. The current password should be typed correctly and continues to create a new password(includes at least one uppercase/lowercase character, at least 8 digits long and includes at least a number, and not used in the past 6 months).
Alternatives	If the current password is not typed correctly and the validation rules not completed then the new password is not changed and the user can try again to create a new one.
PostCondition	After clicking on the ‘Change’ button, the old password is replaced with the just created one.

UC_02-US_02- Change Password

Name	Add user
Summary	Admin can create a new user account
Actor	Admin
Description	Admin clicks on ‘CreateUser’ button on the menu bar, enters the required details for the new user and then clicks on ‘Create’ button.

WineSight Requirements Specification

Precondition	Admin must be logged on his account. Admin must have all the required information of the new user to be registered in the system. The new data entered must be unique.
Alternatives	If the required data is entered for the new user the admin can click ‘Create’ otherwise he can click on the ‘Cancel’ button to go back to the previous page. If the data entered for the new user is valid from the system the account is created otherwise the admin is allowed to make the needed changes.
PostCondition	A new user is added in the system

UC_03-US_03- Add user

Name	Administrator creates report
Summary	Administrator can upload monthly reports on his personal account.
Actor	Administrator
Description	Administrator clicks on the ‘New report’ button on the menu bar. He can upload the document in differed format(word,excel,ppt,image).
Precondition	Administrator must be signed in his account. The report can be uploaded only once a month. Admin can not update the report after saving the file.
Alternatives	If admin is sure the report is fully completed

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	he can click the ‘Save’ button otherwise can click ‘Cancel’ button to go to the previous page. If clicked on ‘Cancel’ button user is allowed to make changes to the report and to save it later on within the deadline. Only DOB and Admin himself can view all reports uploaded by Admin.
PostCondition	The report is uploaded in the Admin account.

UC_04-US_04- Admin Create reports

Name	HR Manager creates reports
Summary	HR Manager can upload monthly reports on his personal account.
Actor	HR Manager
Description	HR Manager clicks on the ‘New report’ button on the menu bar. He can upload the document in differed format(word,excel,ppt,image).
Precondition	HR Manager must be signed in his account. The report can be uploaded only once a month.HR Manager can not update the report after saving the file.
Alternatives	If HR Manager is sure the report is fully completed he can click the ‘Save’ button otherwise can click ‘Cancel’ button to go to the previous page. If clicked on ‘Cancel’

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	button user is allowed to make changes to the report and to save it later on within the deadline. Only Admin and HR Manager himself can view all reports uploaded by HR Manager.
PostCondition	The report is uploaded in the HR Manager account.

UC_05-US_05-HR Manager creates reports

Name	Financier creates report
Summary	Financier can upload monthly reports on his personal account.
Actor	Financier
Description	Financier clicks on the 'New report' button on the menu bar. He can upload the document in differed format(word,excel,ppt,image).
Precondition	Financier must be signed in his account. The report can be uploaded only once a month. Financier can not update the report after saving the file.
Alternatives	If Financier is sure the report is fully completed he can click the 'Save' button otherwise can click 'Cancel' button to go to the previous page. If clicked on 'Cancel' button user is allowed to make changes to the

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	report and to save it later on within the deadline. Only Admin and Financier himself can view all reports uploaded by Financier.
PostCondition	The report is uploaded in the Financier account.

UC_06-US_06-Financier creates reports

Name	Sales Director creates report
Summary	Sales Director can upload monthly reports on his personal account.
Actor	Sales Director
Description	Sales Director clicks on the 'New report' button on the menu bar. He can upload the document in differed format(word,excel,ppt,image).
Precondition	Sales Director must be signed in his account. The report can be uploaded only once a month. Sales Director can not update the report after saving the file.
Alternatives	If Sales Director is sure the report is fully completed he can click the 'Save' button otherwise can click 'Cancel' button to go to the previous page. If clicked on 'Cancel' button user is allowed to make changes to the report and to save it later on within the

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	deadline. Only Admin and Sales Director himself can view all reports uploaded by SD.
PostCondition	The report is uploaded in the Sales Director account.

UC_07- US_7-Sales Director creates reports

Name	Specialist creates reports
Summary	Specialist can upload weekly reports on his personal account.
Actor	Specialist
Description	Specialist clicks on the 'New report' button on the menu bar. He can upload the document in differed format(word,excel,ppt,image).
Precondition	Specialist must be signed in his account. The report can be uploaded only once a week. Specialist can not update the report after saving the file.
Alternatives	If Specialist is sure the report is fully completed he can click the 'Save' button otherwise can click 'Cancel' button to go to the previous page. If clicked on 'Cancel' button user is allowed to make changes to the report and to save it later on within the deadline. Only Admin and Specialist himself can view all reports uploaded.
PostCondition	The report is uploaded in the Specialist account.

UC_08-US_08-Specialist creates report.

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Name	Make Orders
Summary	Sales Director makes the company orders
Actor	Sales Director,Financier
Description	SD clicks on the ‘New Order’ button, selects the order and the order amount. Clicks on ‘Request order’ button and the request will show ‘Pending’.
Precondition	SD must be logged on his account. The type and amount of order needed should be verified previously.
Alternatives	If the type and amount of order is already verified by the SD, SD clicks on ‘Request order’ button and the request will change the status to ‘Pending’. Otherwise he can click on ‘Cancel’ button to delete the order and he will be allowed to create a new order.
PostCondition	The order will be active only after the Financier has approved it.

UC_09-US_09-Make orders

Name	HR assign salaries
Summary	HR Manager should assign salaries for the company employees monthly
Actor	HR Manager, Financier
Description	HR Manager should assign the salaries for each employee on the company according to

WineSight Requirements Specification

	the function that each of them has in company. HR Manager clicks on the ‘Payment’ button in the menu bar, clicks the ‘Select Employee’ button selects each employee one by one to assign the corresponding salary to each of them. He approves the amount of hours worked by each employee including extra hours. The system itself calculates the money per hour the employee has according to the function he/she has in the company. HR Manager approves the salary for the employee and clicks in ‘Save’ button. The salary in this moment is in ‘Pending’ status.
Precondition	HR Manager must be logged in his account. The monthly worked hours are submitted in the database daily including night hours, sunday hours and holiday hours and also extra hours.
Alternatives	If HR Manager makes sure the hours are set correctly in the database system for each user he approves the amount of salary shown in the system and clicks on ‘Save’ button to send this request to other department to be approved otherwise he clicks on ‘Cancel’ button and he is back to the previous page and is allowed to select another user or to make manual changes to the salary specifications for each type of employee.
PostCondition	After the approval of HR Manager these

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	salaries should wait for the Financier approval to pass into active status.
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UC_10-US_10- HR assign salaries.

Name	Generate report.
Summary	Specialist can add report in their page.
Actor	Specialist
Description	Specialist logs into their page, clicks on “Document report”, selects “Add file”.
Precondition	To access this use you should be logged in as the specialist. Other users can view your files.
Alternatives	If the specialist is sure he/she should press YES in order to continue uploading and saving. Otherwise press NO. If when pressing YES, errors occurs the specialist has the right to make necessary changes and reload report.
Post condition	A new report is added by the specialist.

UC_11-US_11-Generate report.

Name	Delete an employee user.
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Summary	Human Resources can delete an employee.
Actor	Human Resources
Description	Human Resources clicks on the “Employee List”, selects the employee and then presses “Delete” button.
Precondition	HR should be logged in as HR. They have total access into the files of employees and can make changes.
Alternatives	If HR is sure he/she should press the YES button, if not he/she should press NO and go back to the previous page.
Post condition	An employee is deleted from the database.

UC_11-US_11-Delete an employee user.

Name	Update employee user.
Summary	Human Resources can update existing pages of user with new data.
Actor	Human Resources
Description	HR logs in and searches for the employee. After that he/she clicks on the “Update” button for that specific employee. Afterwards he/she can change any of the personal information and at the end clicks “Update” button.

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Precondition	HR should be logged in as HR. They have total access into the files of employees and can make changes.
Alternatives	If HR is sure he/she should press the YES button, if not he/she should press NO and go back to the previous page.
Post condition	An updated information is added.

UC_12-US_12-Update employee user

Name	Add a new employee user.
Summary	Human Resources can create/add a new employee user.
Actor	Human resources
Description	HR clicks on “Add Employee”, fills the information for the new employee, and then clicks on “Add Employee”.
Precondition	HR should be logged in and the employee should have the necessary documents to be registered in the winery. The new employee’s unique information should not match with any other employee, so no employee can have two accounts.

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Alternatives	If HR is sure he/she should press the YES button, if not he/she should press NO and go back to the previous page. If when pressing YES, the action has proven to be unsuccessful, HR is allowed to make the necessary changes.
Post condition	A new employee is added.

UC_13-US_13- Add a new employee user

Name	Update inventory.
Summary	Sales director can update the inventory files.
Actor	Sales Director
Description	Sales Director logs in and searches for the inventory report they need. . After that he/she clicks on the “Update” button for that specific inventory.
Precondition	You should be logged in as a sales director. Other users will not have this right. The inventory should have been previously added in order to make changes.
Alternatives	If Sales Director is sure he/she should press the YES button, if not he/she should press NO and go back to the previous page. If when pressing YES, the action has proven

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	to be unsuccessful, Sales Director is allowed to make the necessary changes.
Post condition	The inventory has been updated.

UC_14-US_14- Update inventory.

Name	User update
Summary	Human Resource Management, Sales Director, Specialist and Financier are able to update their personal page.
Actor	Human Resource Management, Sales Director, Specialist ,Financier
Description	The users log in and click on what they want to update. They type “Update” button for that specific change in their page.
Precondition	You should be logged in as Human Resource Management or Sales Director or Specialist or Financier. No other users will have this right.
Alternatives	If Human Resource Management, Sales Director, Specialist ,Financier is sure he/she should press the YES button, if not he/she should press NO and go back to the previous page. If when pressing YES, the action has proven to be unsuccessful, they are allowed to make the necessary changes.

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Post condition	The user page has been updated.
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UC_15-US_15- User update

Name	View profile
Summary	Board of directors can view his/her personal page and other pages.
Actor	Board of Directors
Description	Board of Directors logs in on “My Profile”. He/ She can click on every button that will lead to the information that they are looking for. They can not change anything.
Precondition	Board of Directors should be logged in. Other users will not have this right. They do not have a right to change information. Different members of BOD have different accounts.
Alternatives	Board of directors can view the information at any time.
Post condition	They view the required information.

UC_16-US_16- View profile

Name	View profile
Summary	HR management views employee's profile.

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Actor	Human resource management
Description	Human resource management logs in and searches for the employee as we described before.
Precondition	Human resource management should be logged in.
Alternatives	HR management can view the information at any time.
Post conditions	HR management has access to employee's profile.

UC_17-US_17- View profile

Name	Add suppliers
Summary	Sales director adds suppliers by importing data that is sent to them.
Actor	Sales director
Description	Sales director logs in then clicks on “Add Supplier” menu, fills the information for the new supplier, then presses the “Add Supplier” button.
Precondition	Sales director should be logged in and the supplier must have the necessary information and documents to be registered. The new supplier’s unique information should not match with any other information from other suppliers, in order

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	to avoid confusion and so than no supplier can have two accounts.
Alternatives	If Sales Director is sure he/she should press the YES button, if not he/she should press NO and go back to the previous page. If when pressing YES, the action has proven to be unsuccessful, the sales director is allowed to make the necessary changes.
Post conditions	A new supplier has been added.

UC_18-US_18- Add suppliers

Name	Delete supplier
Summary	Sales director can delete an existing supplier.
Actor	Sales director
Description	Sales director logs in and searches for the supplier as it was previously described. After that he/she clicks on the “Delete” button for that specific supplier that was the result of the search. A pop up window that

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	will be used as a mean of confirmation of the action by the sales director.
Precondition	You should be logged in as a Sales director. Other users will not have this right. Moreover, the supplier should exist in the database in order to delete his/her account.
Alternatives	If Sales Director is sure he/she should press the YES button, if not he/she should press NO and go back to the previous page.
Post conditions	The supplier has been deleted.

UC_19-US_19-Delete supplier

Name	Update supplier
Summary	Sales director can update personal information of a supplier.
Actor	Sales director
Descriptions	Sales director logs in and searches for the supplier as it was previously described. After that he/she clicks on the “Update” button for that specific supplier that was the result of the search. Then he/she can change any of the personal information and at the end clicks “Update” button.

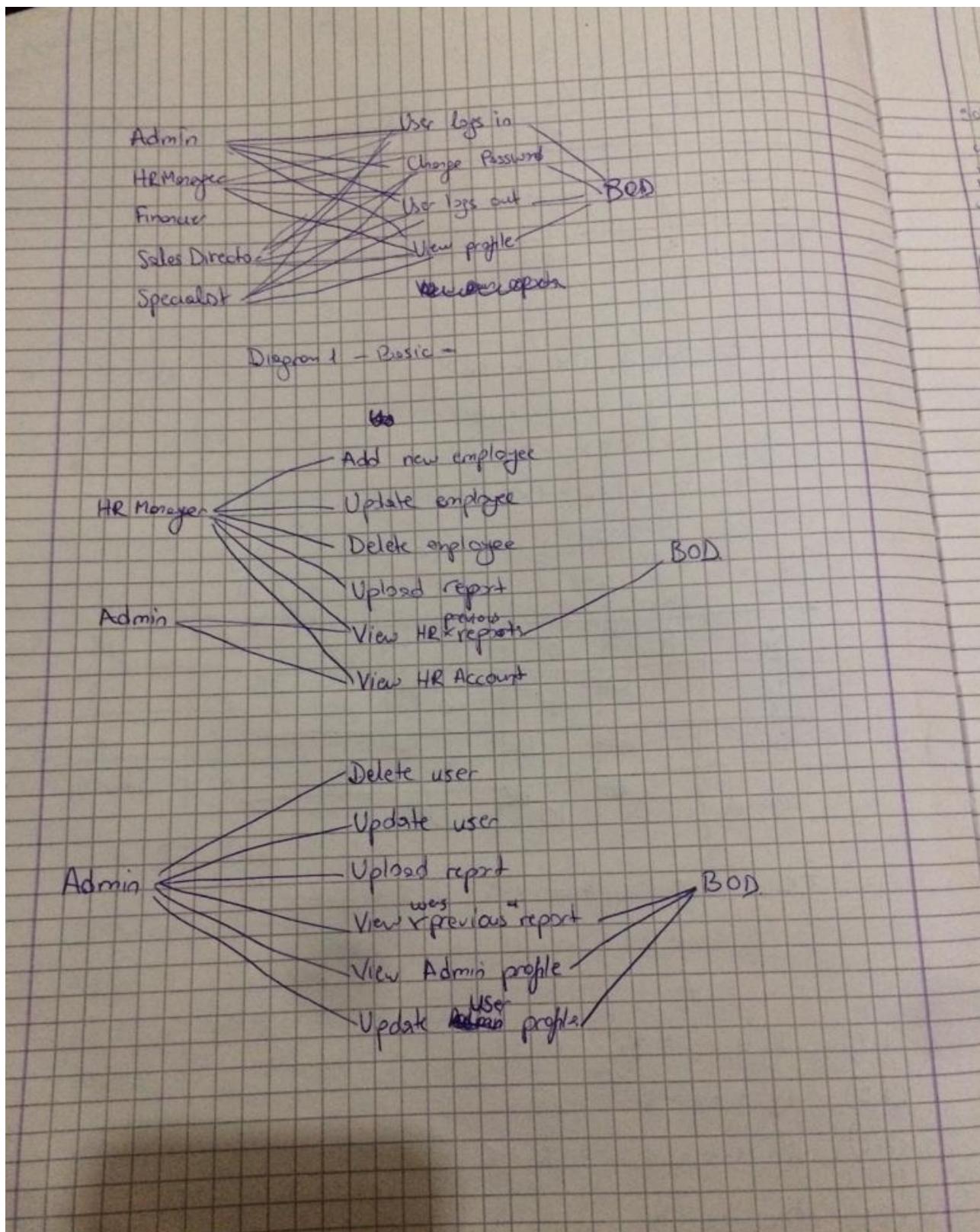
WineSight Requirements Specification

Precondition	You should be logged in as a Sales director. Other users will not have this right. Also, the supplier should exist in the database in order to delete his/her account.
Alternatives	If Sales Director is sure he/she should press the YES button, if not he/she should press NO and go back to the previous page. If when pressing YES, the action has proven to be unsuccessful, the sales director is allowed to make the necessary changes.
Post conditions	Supplier's personal information has been updated.

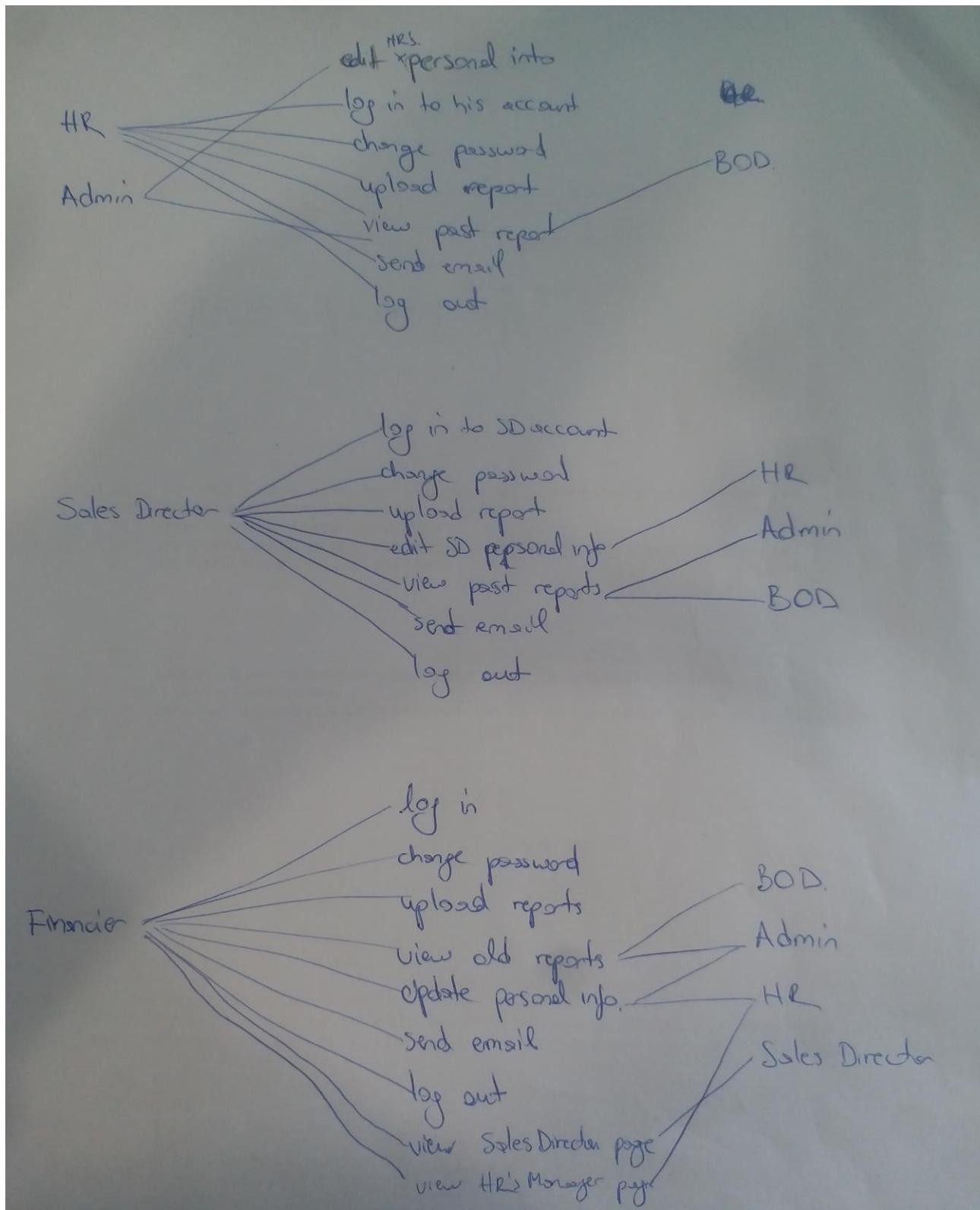
UC_20-US_20-Update supplier

4.2 Behavioral Diagrams

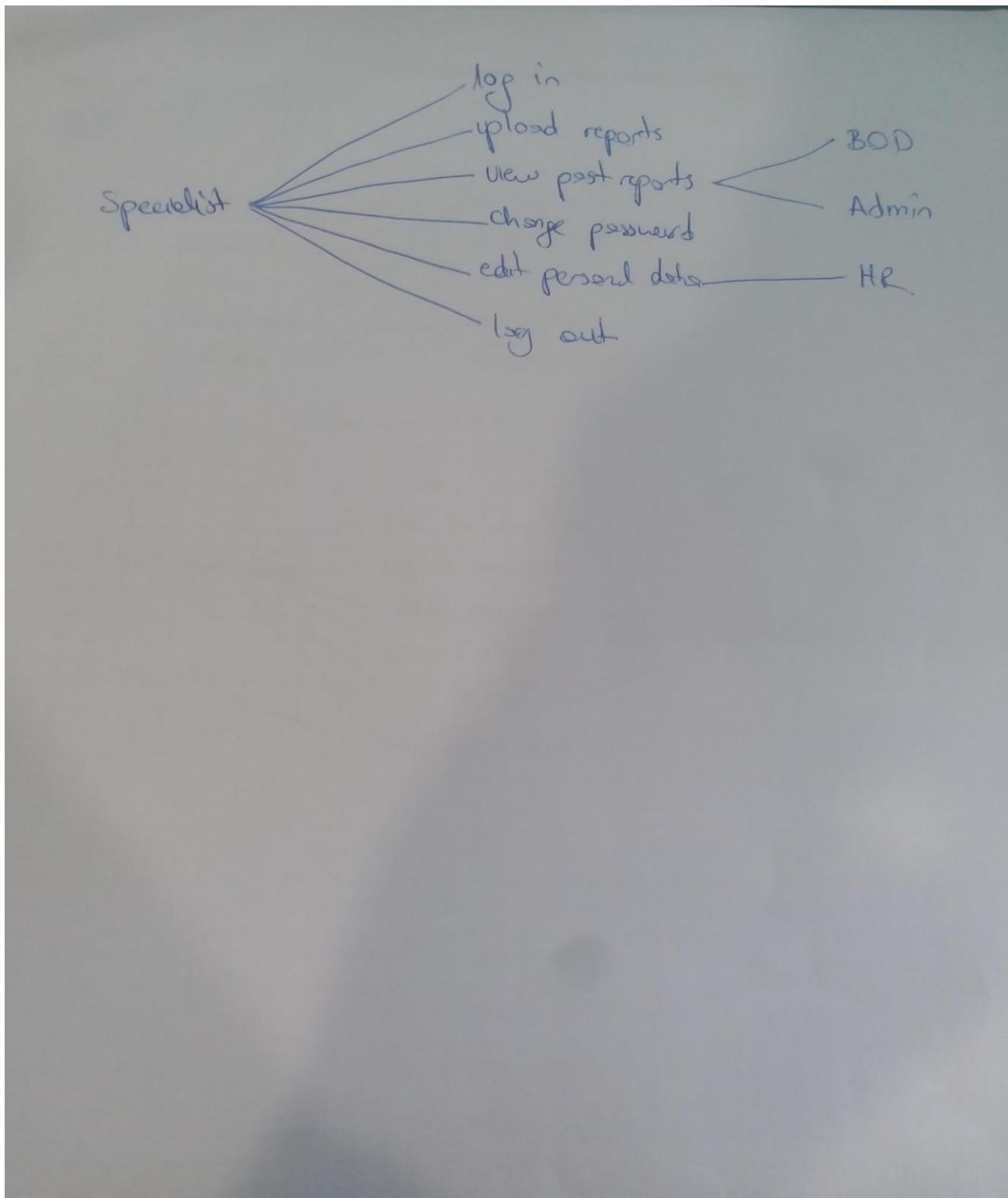
4.2.1 Use Case Diagrams



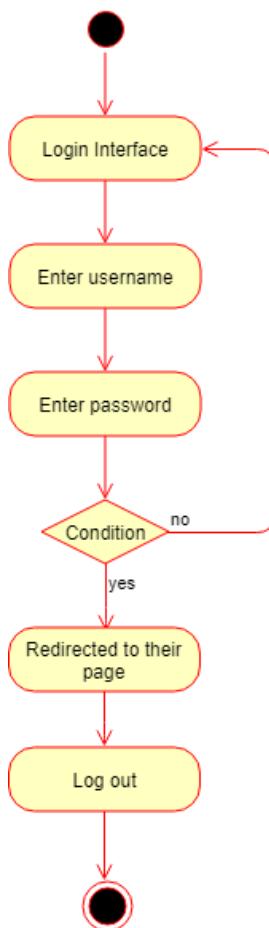
WineSight Requirements Specification



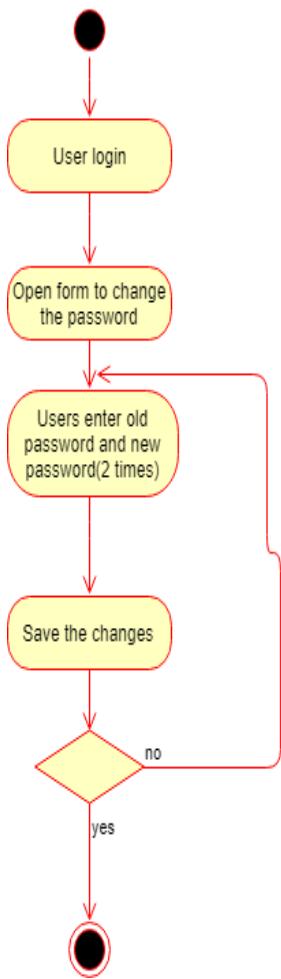
WineSight Requirements Specification



4.2.2 Activity Diagrams

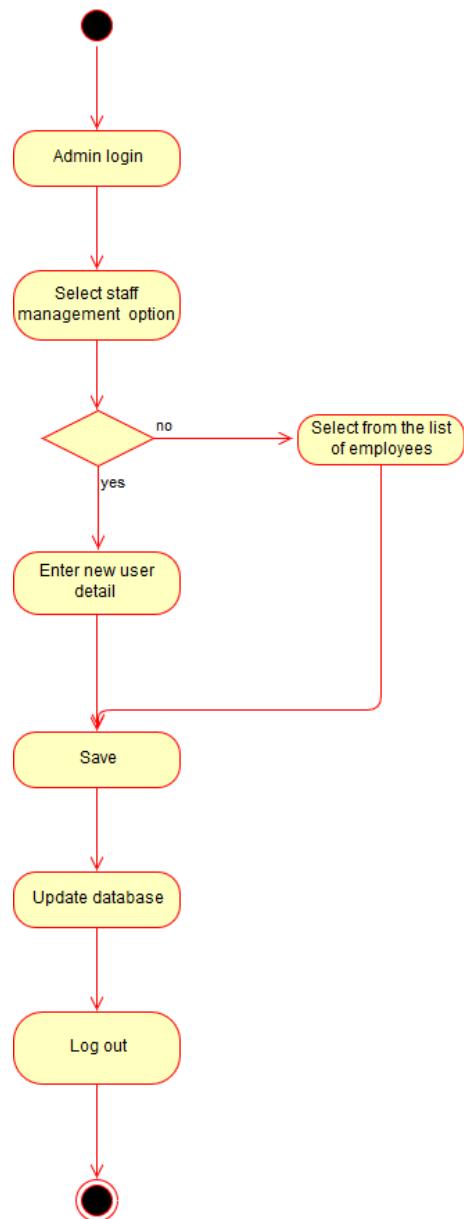


AD_01 – US_01 - User logs in

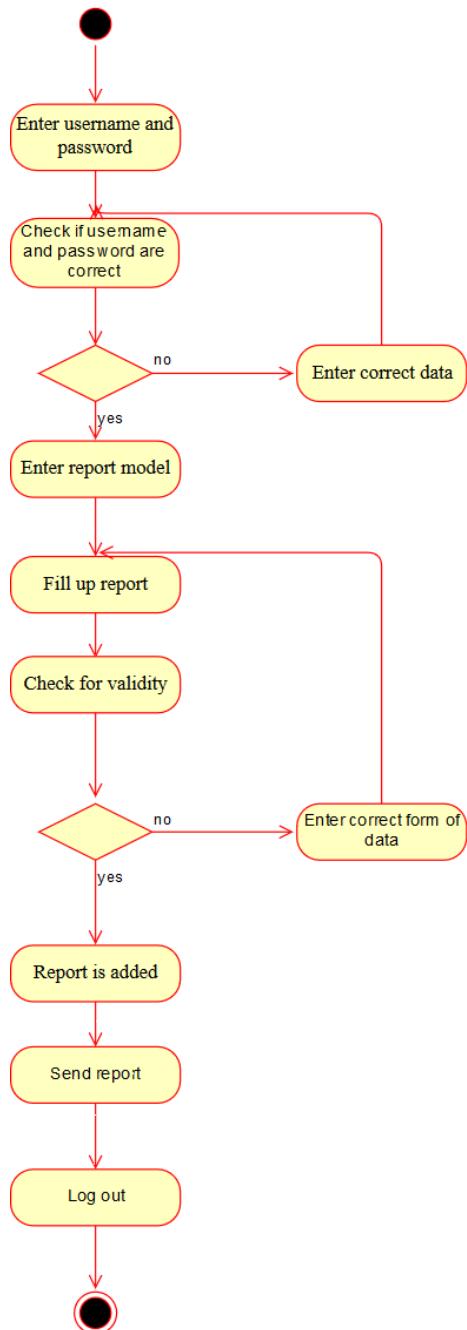


AD_02 – US_02 - Change password

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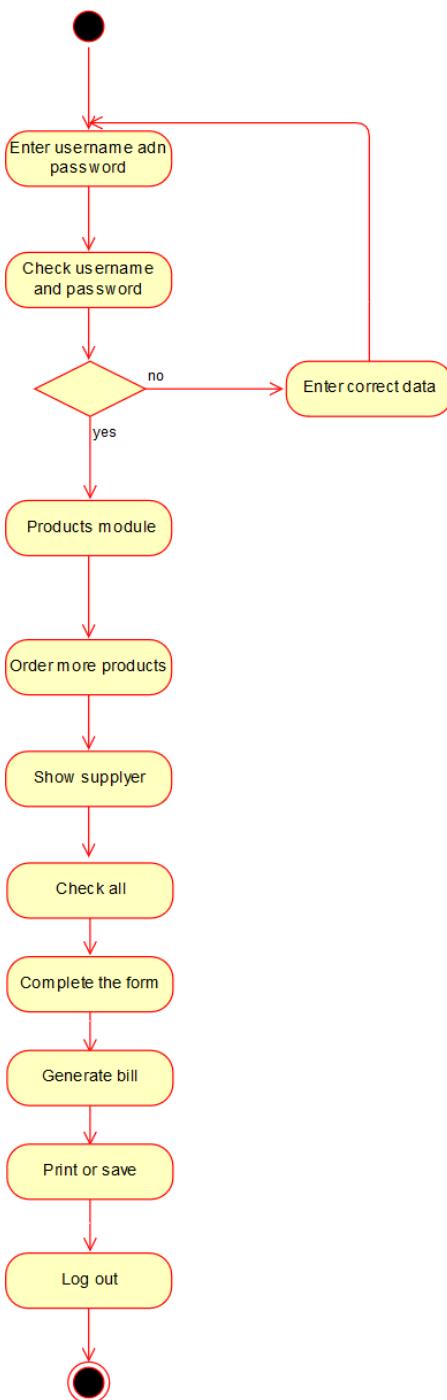


AD_03 – US_03, - Add new user



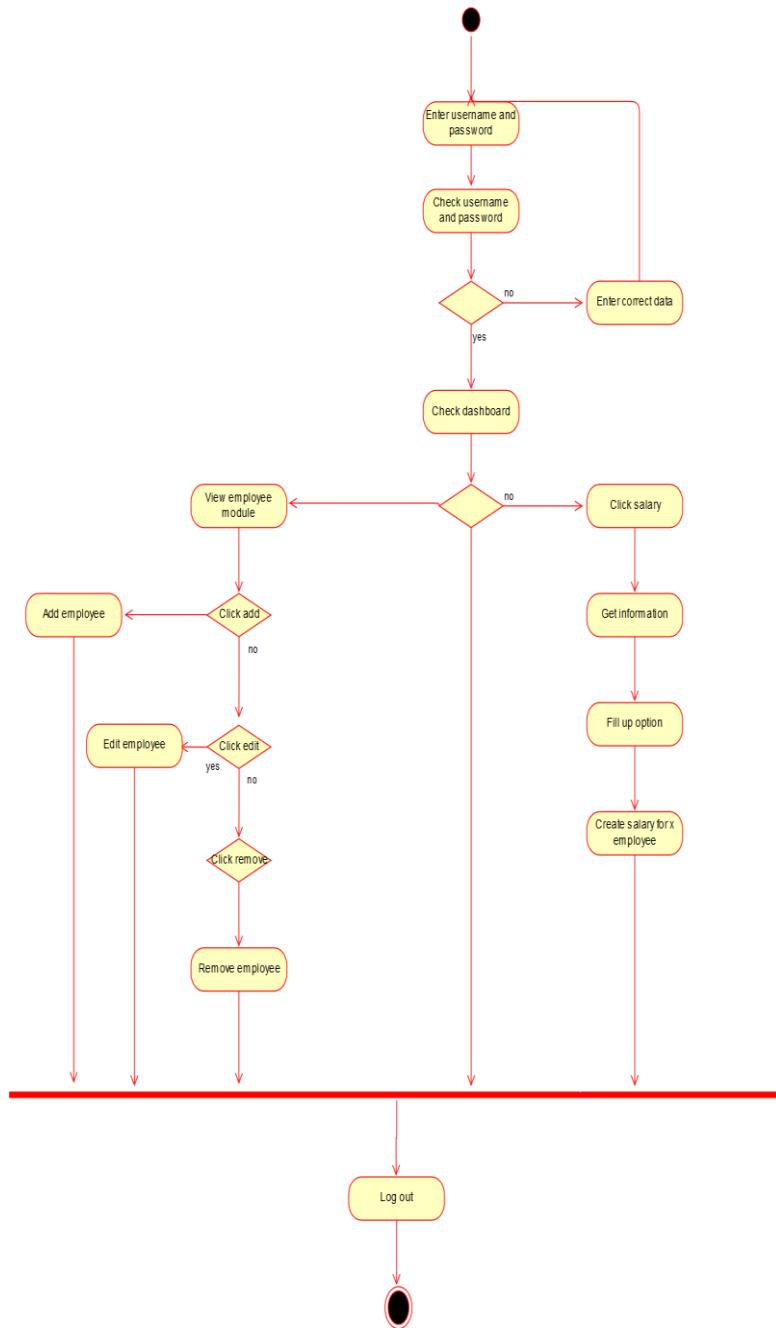
AD_04 – US_04, US_05, US_06, US_07, US_08, - Add report

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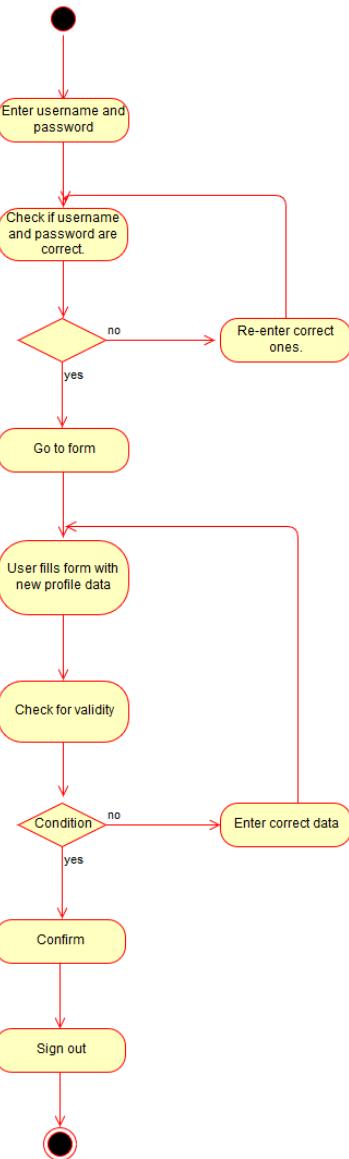


AD_05-US_09, US_14 - Make order, inventory products

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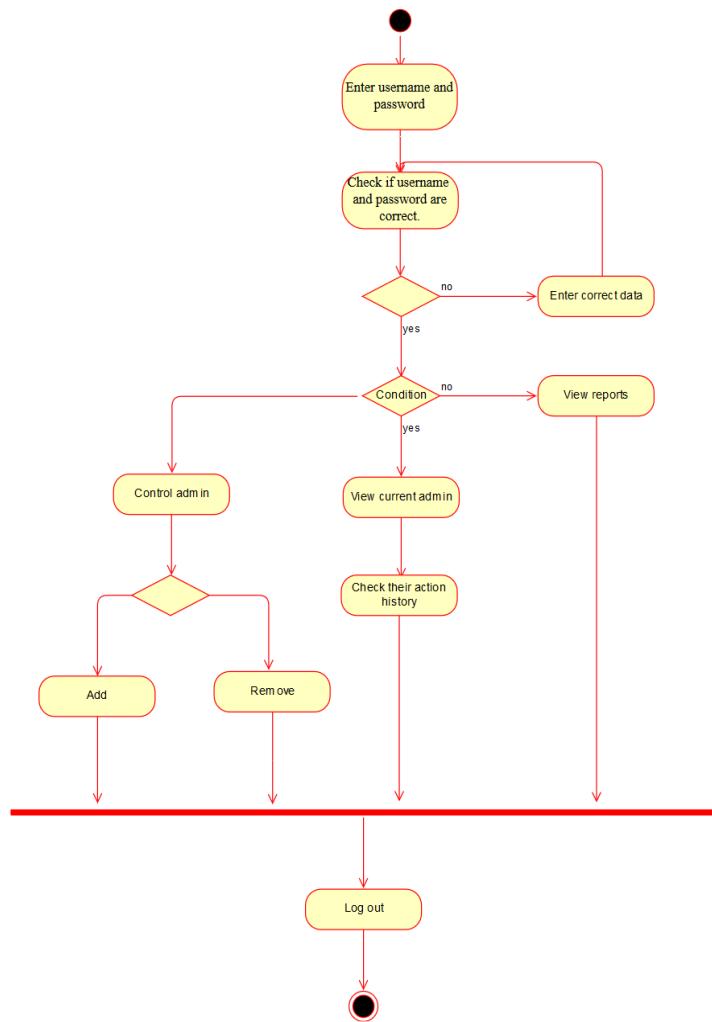


AD_06-US_10, US_11, US_12, US_13 - Assign salaries, edit employee

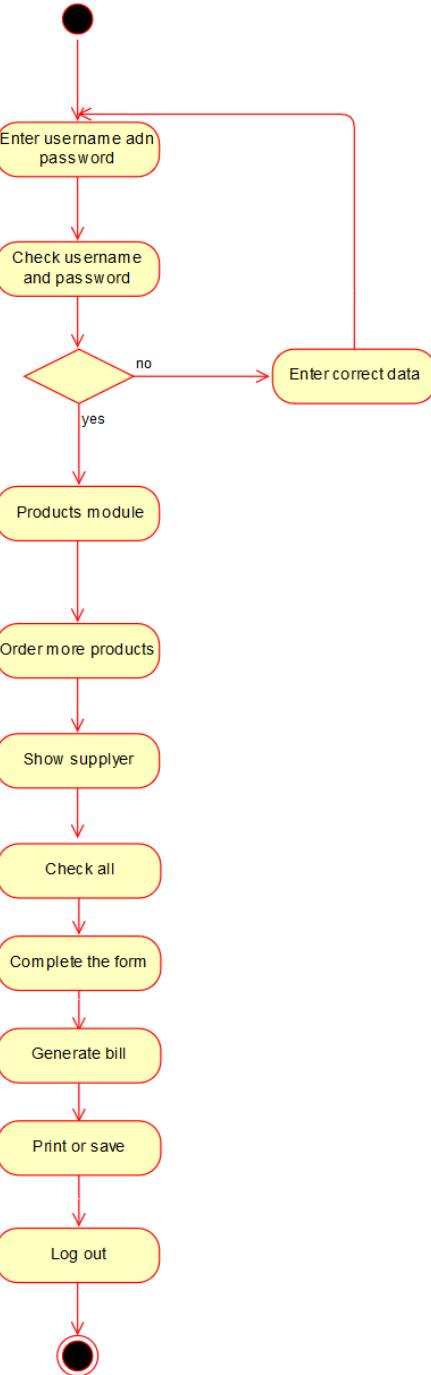


AD_07-US_15, US_16, US_17, - View, update profile

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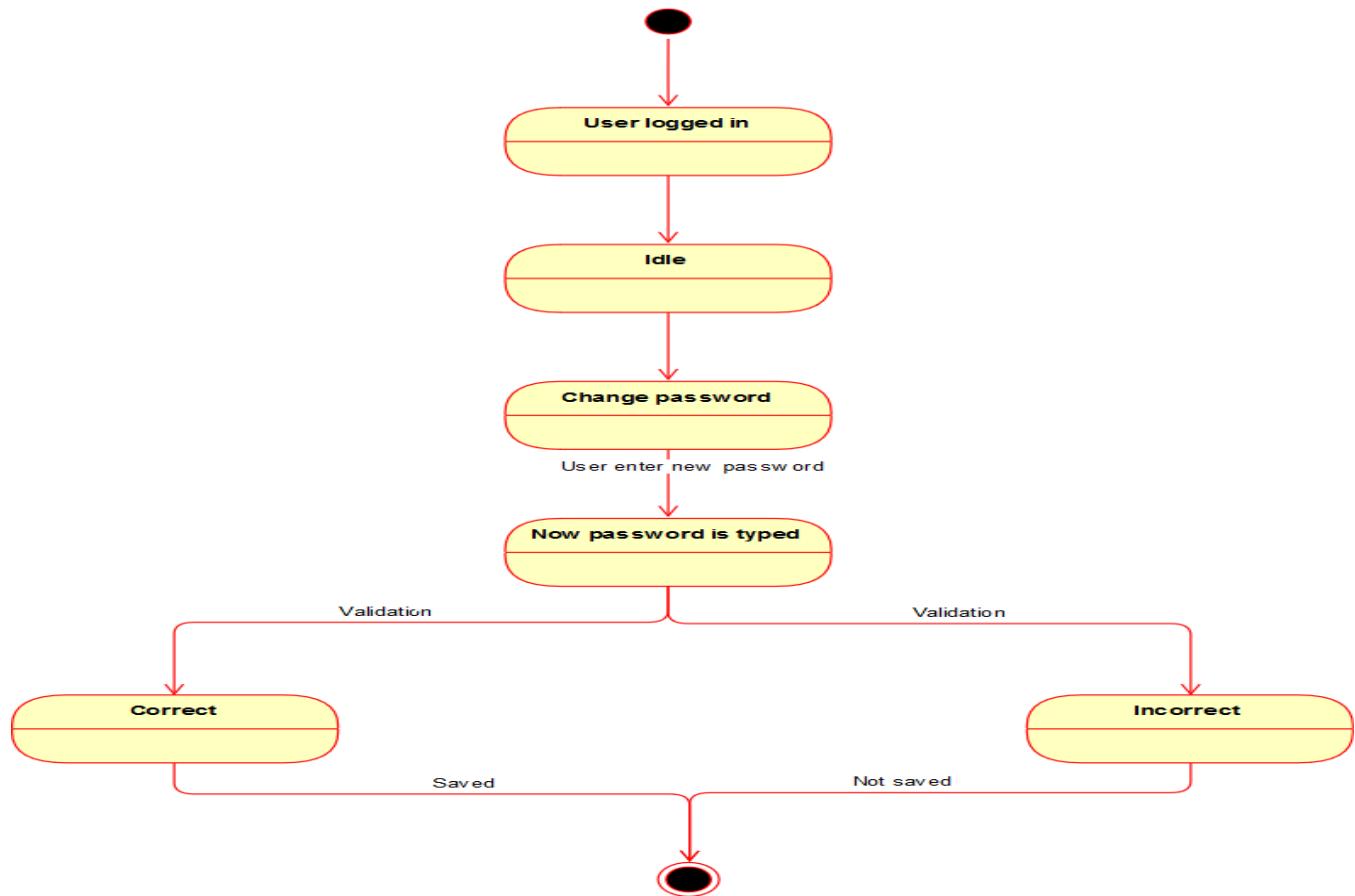


AD_08-US_16 - Bod profile, admin actions



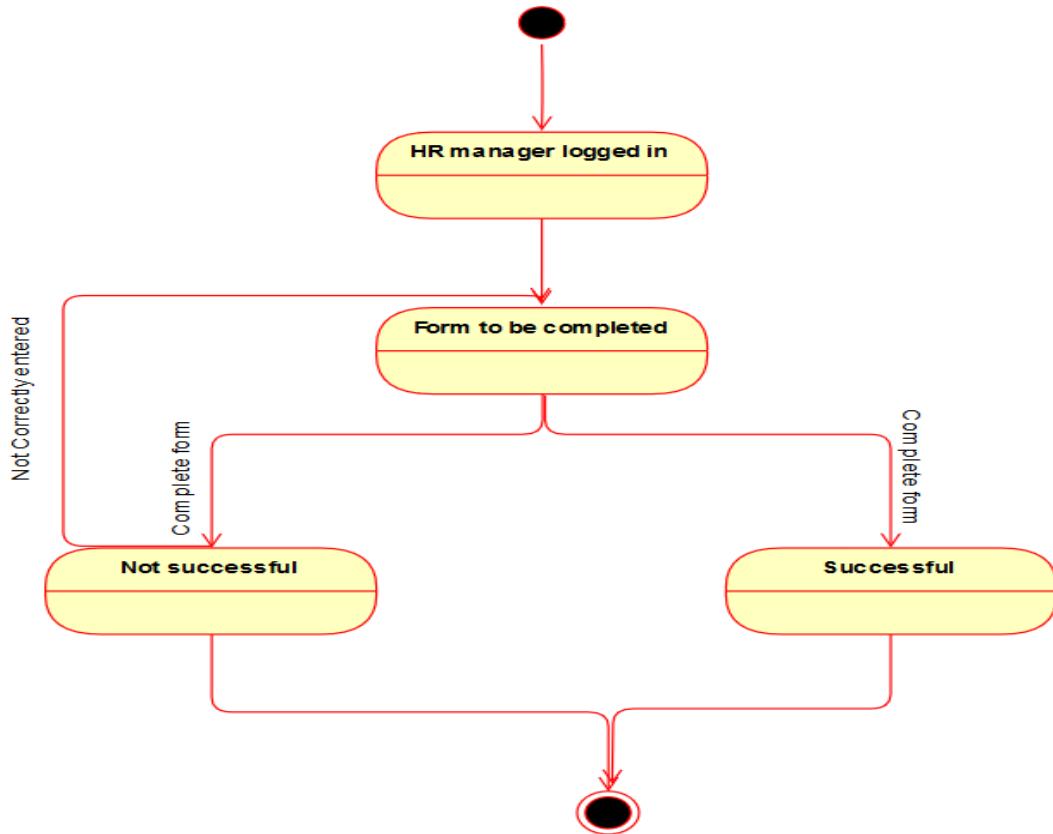
AD_09-US_18, US_19, US_20 - view suppliers

4.2.3 State Diagrams



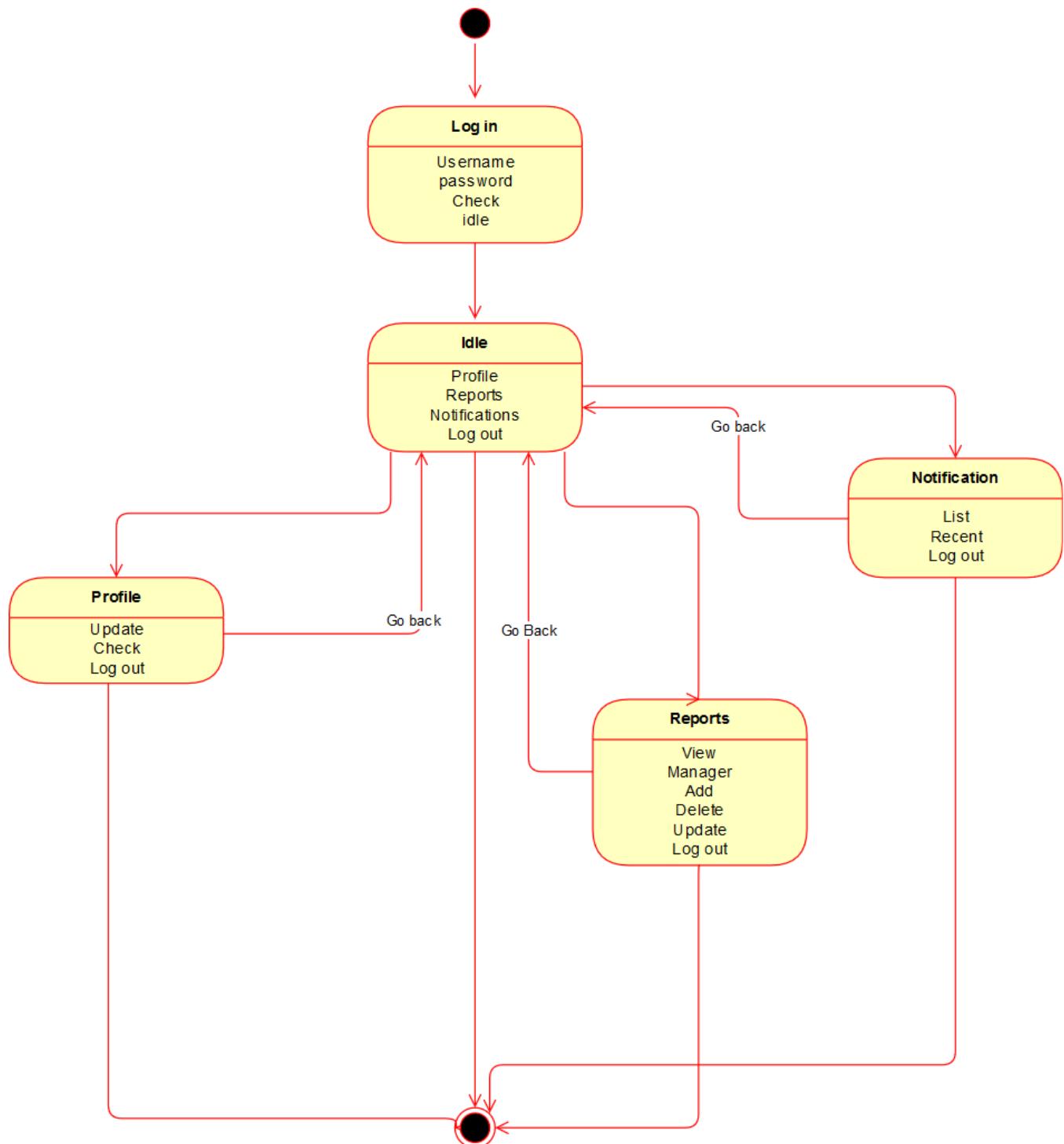
SD_01 – Changing password

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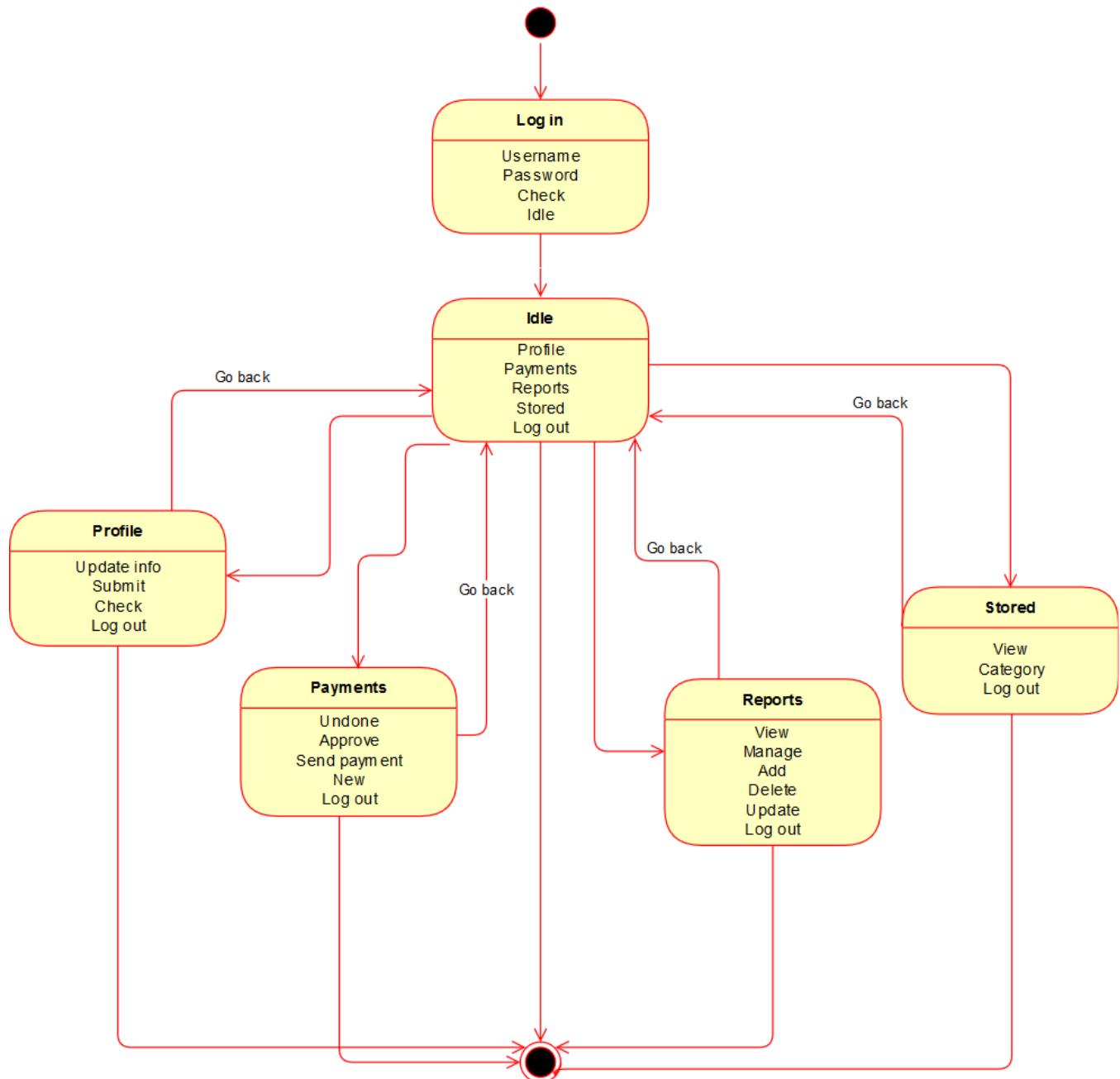


SD_02 – Add employees

WineSight Requirements Specification

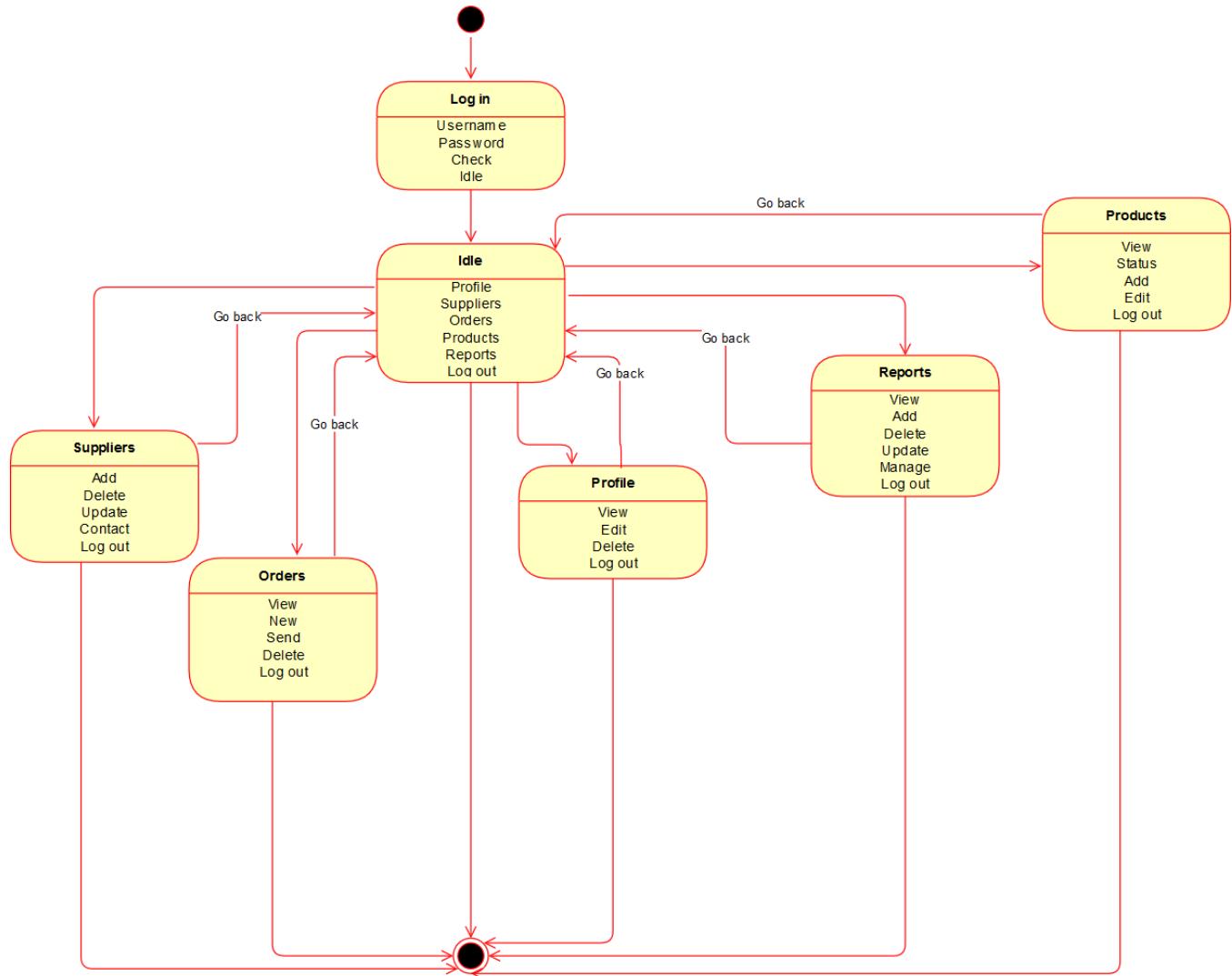


SD_03 – Administrator state

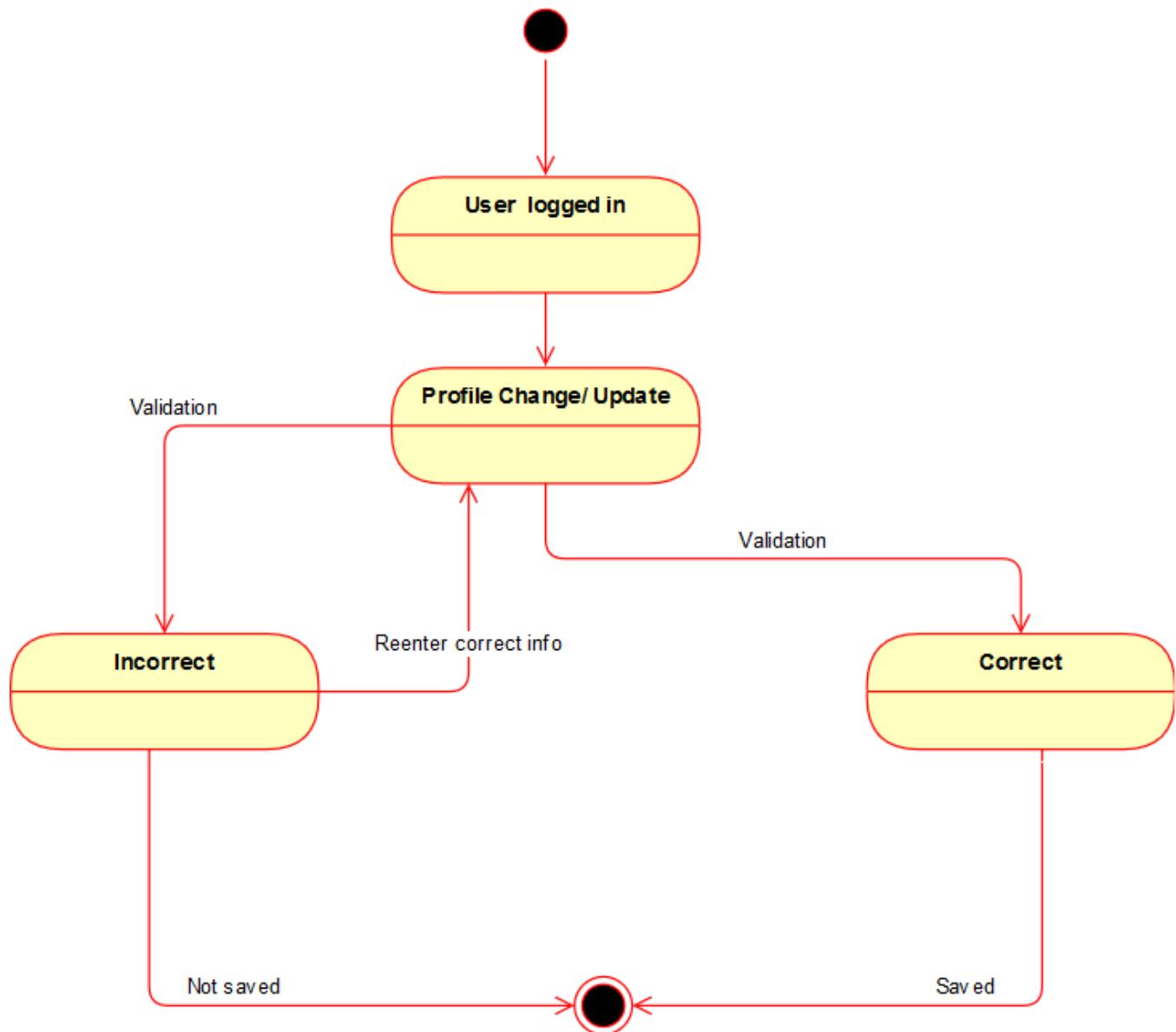


SD_04 – Financier State

WineSight Requirements Specification

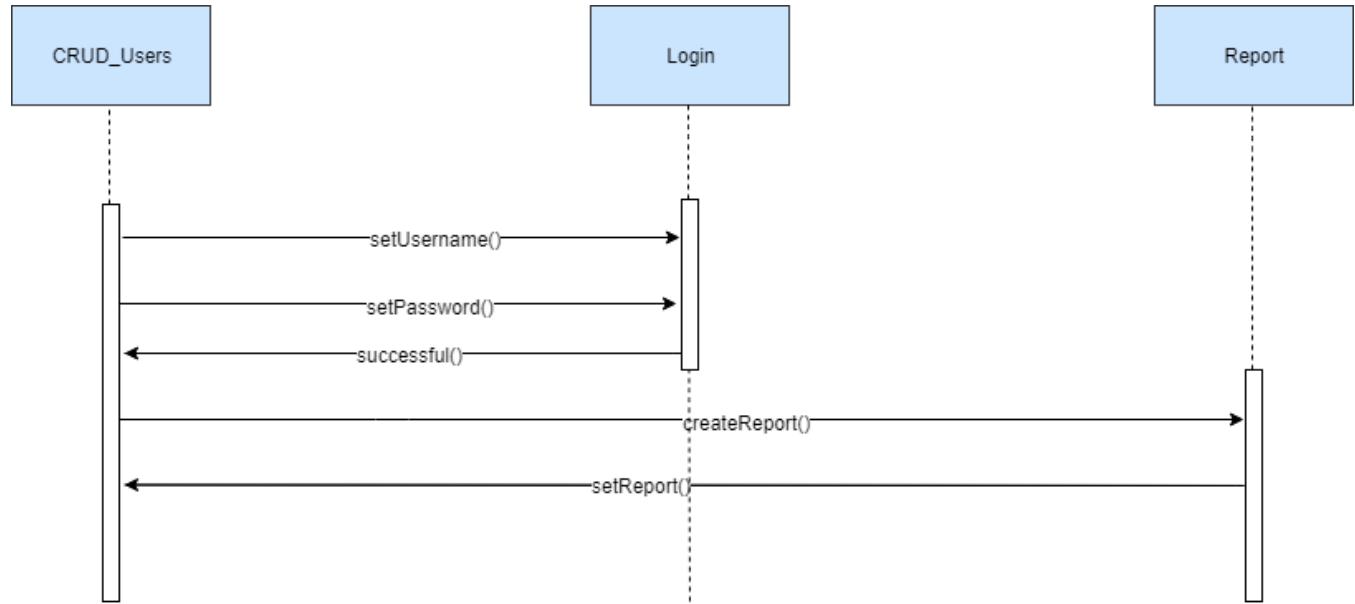


SD_05 – Sales Director state



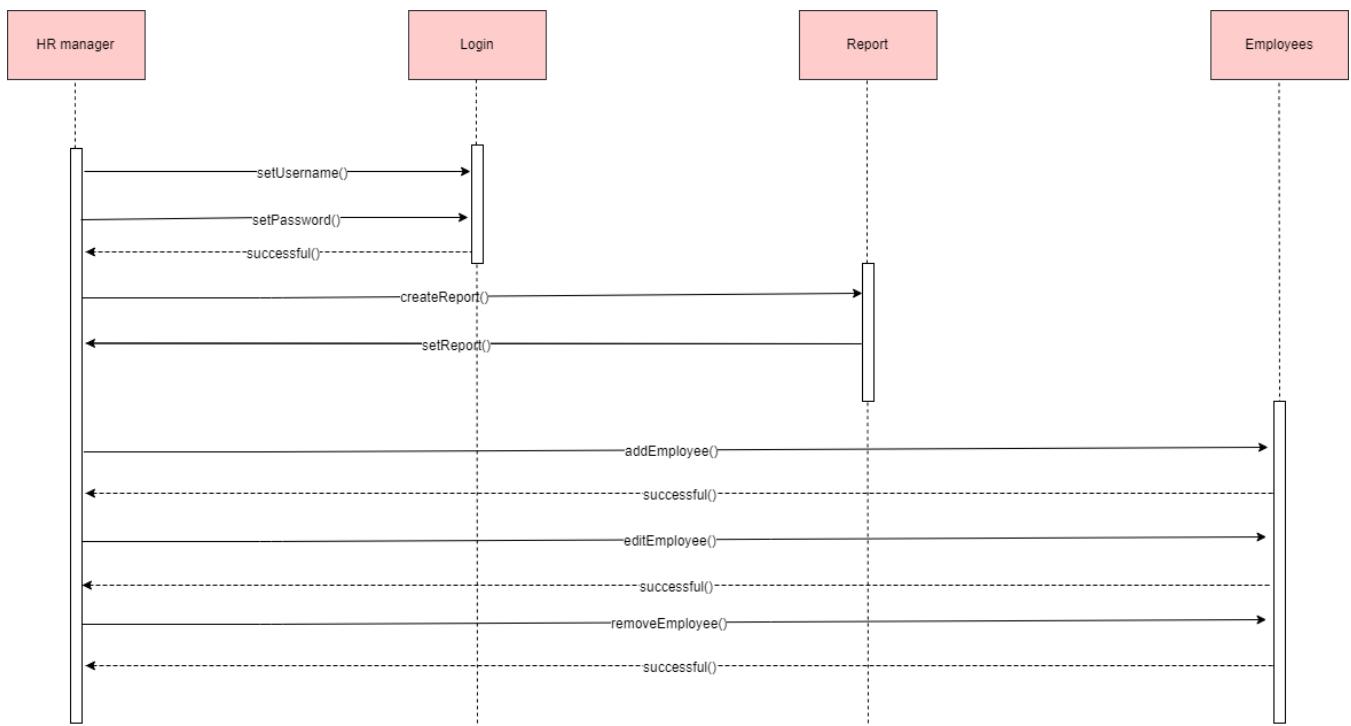
SD_06 – User Edits profile

4.2.4 Sequence Diagrams



SeqD_01 – Users

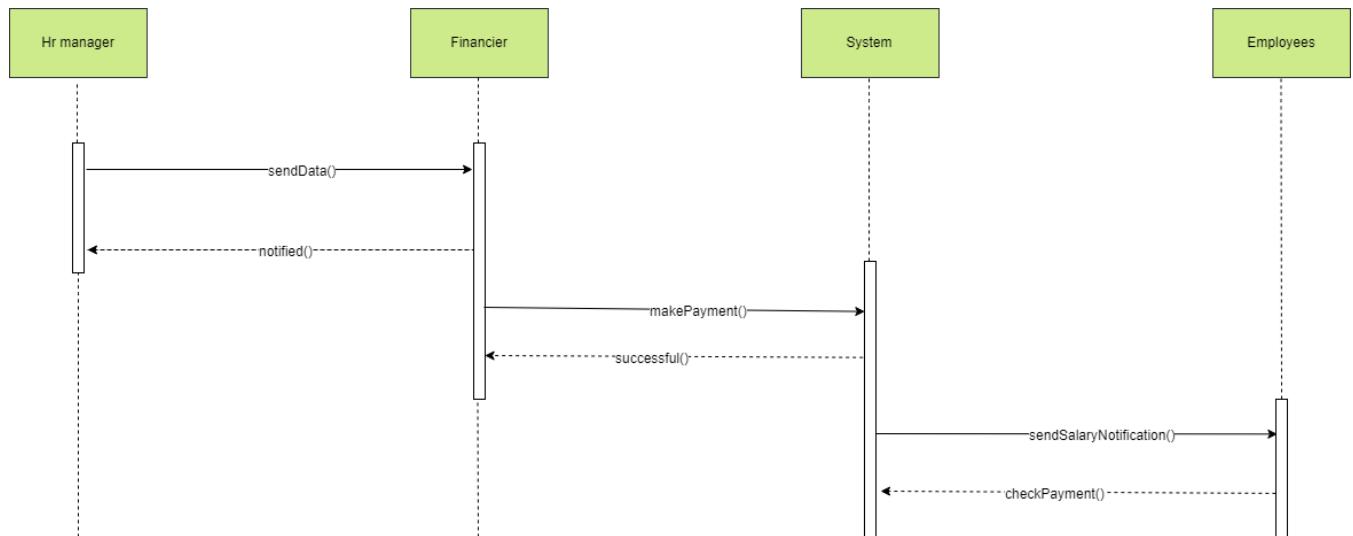
WineSight Requirements Specification



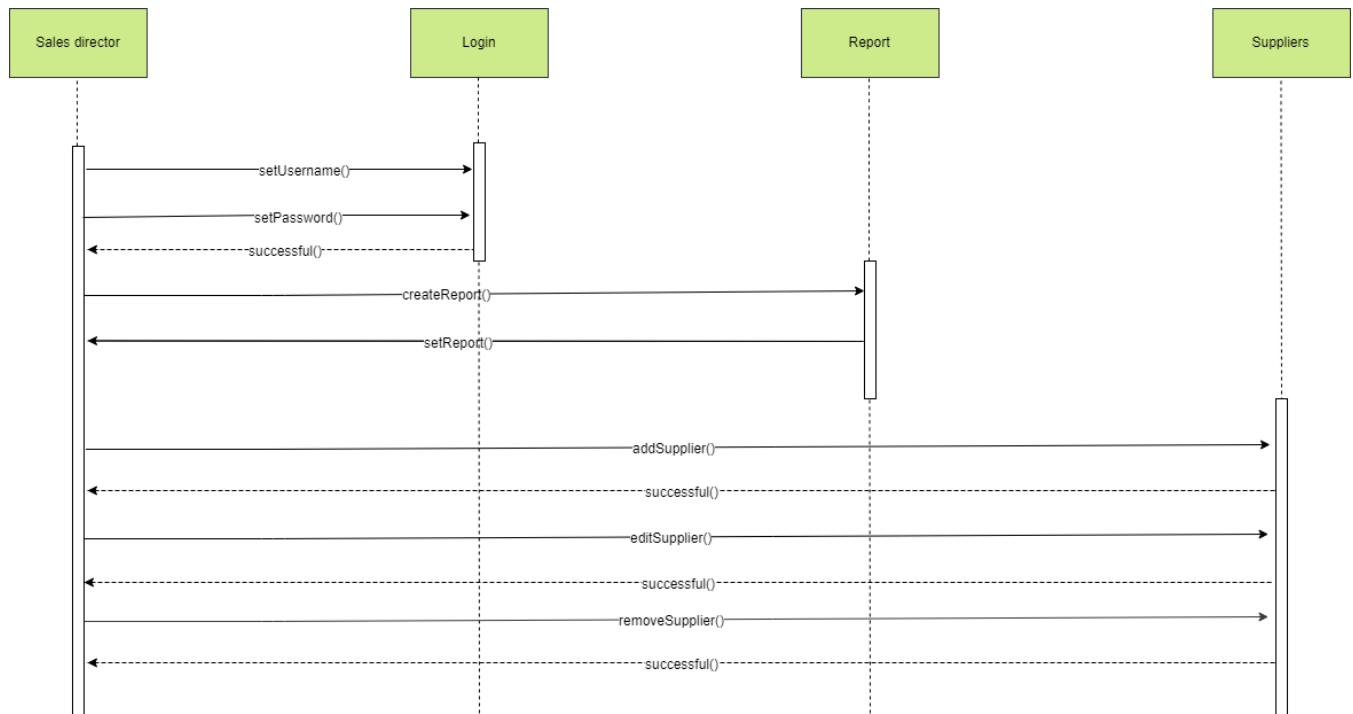
SeqD_02 – HR

WineSight Requirements Specification

Salary sequence

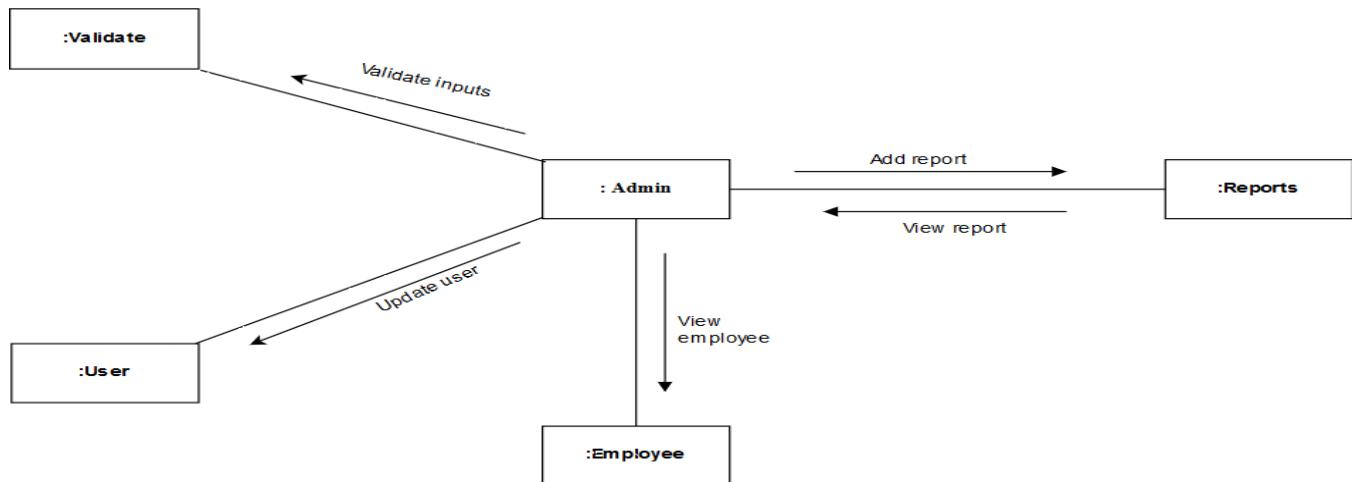


SeqD_03 – Salary sequence

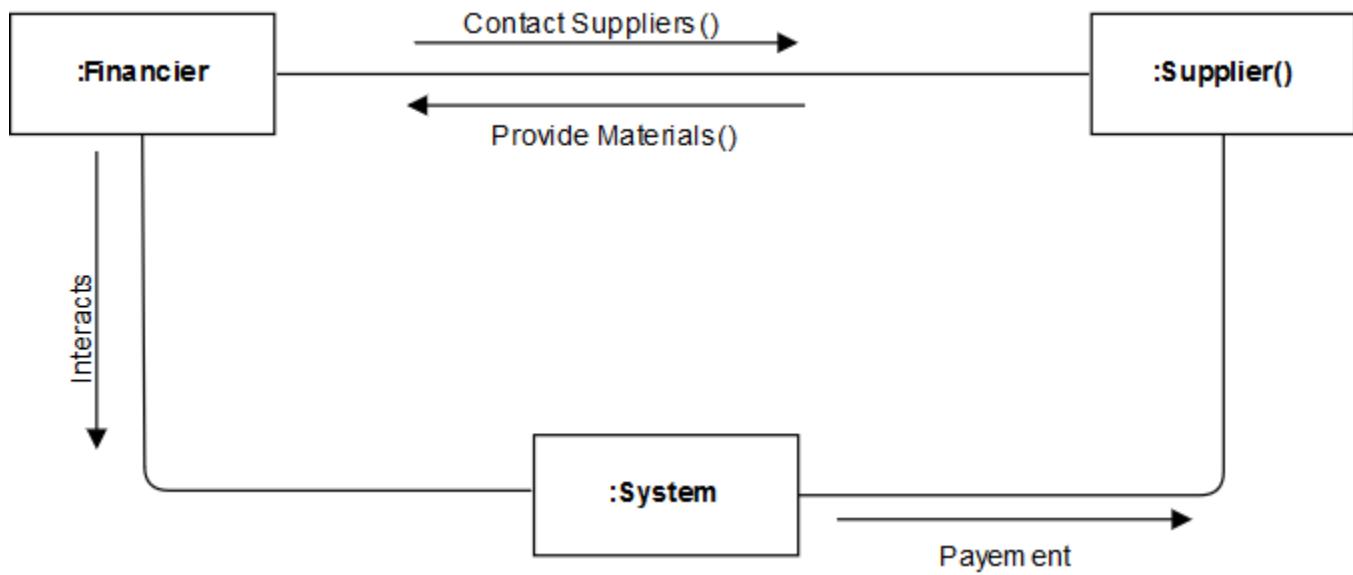


SeqD_04 – Sales Director

4.2.5 Collaboration Diagrams

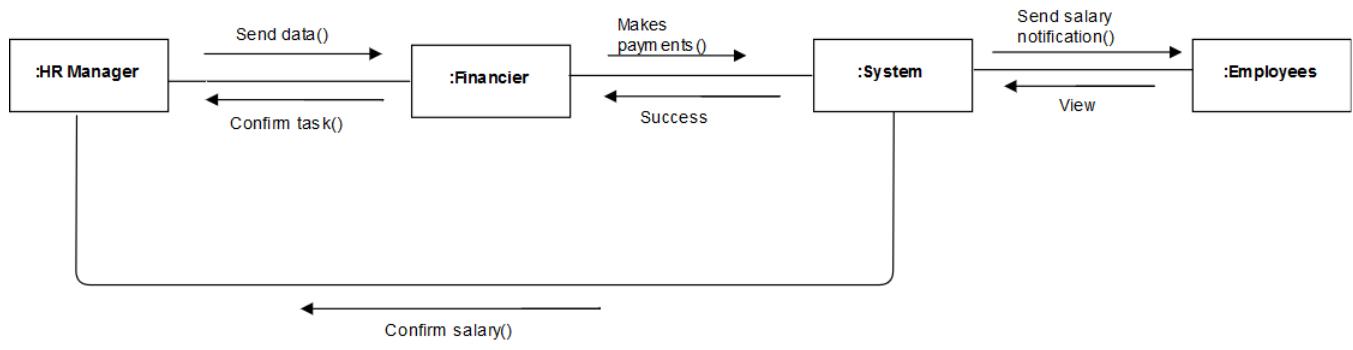


CoID_01 – SeqD_01- Admin

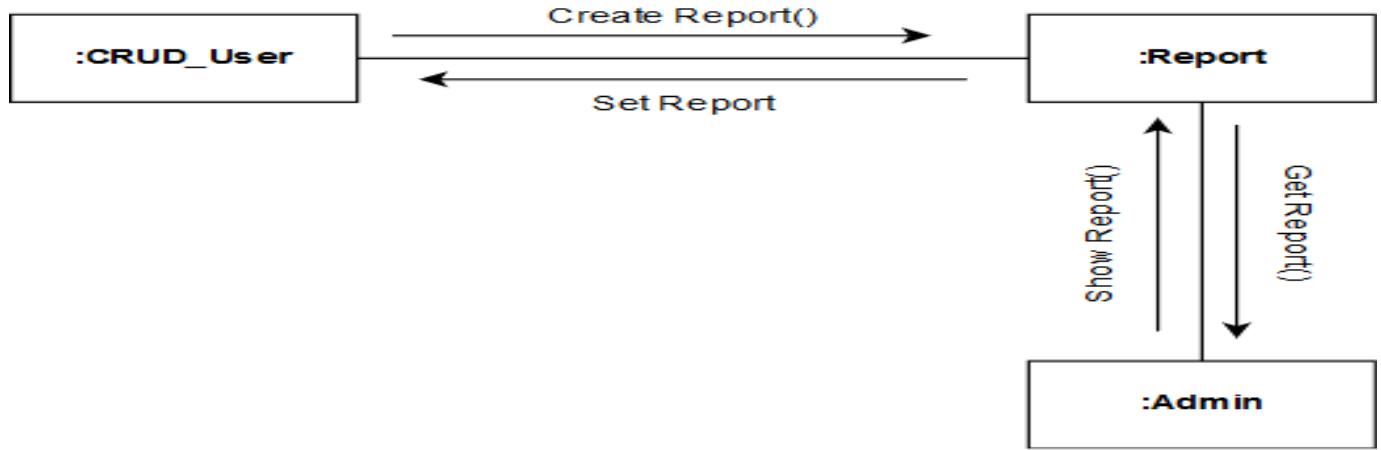


CoID_02 – SeqD_04- Sales Director

WineSight Requirements Specification

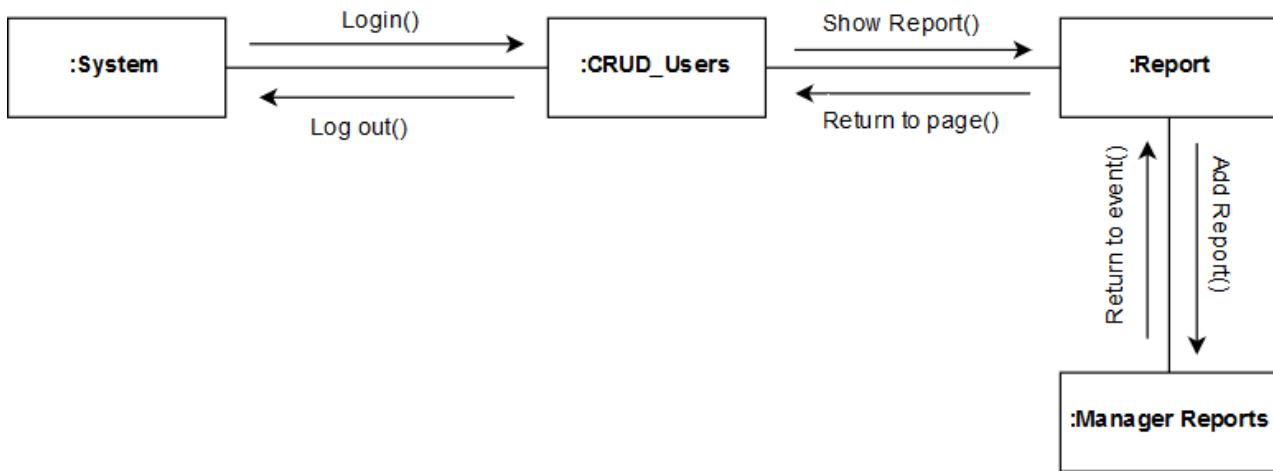


ColD_03 – SeqD_03- Salary

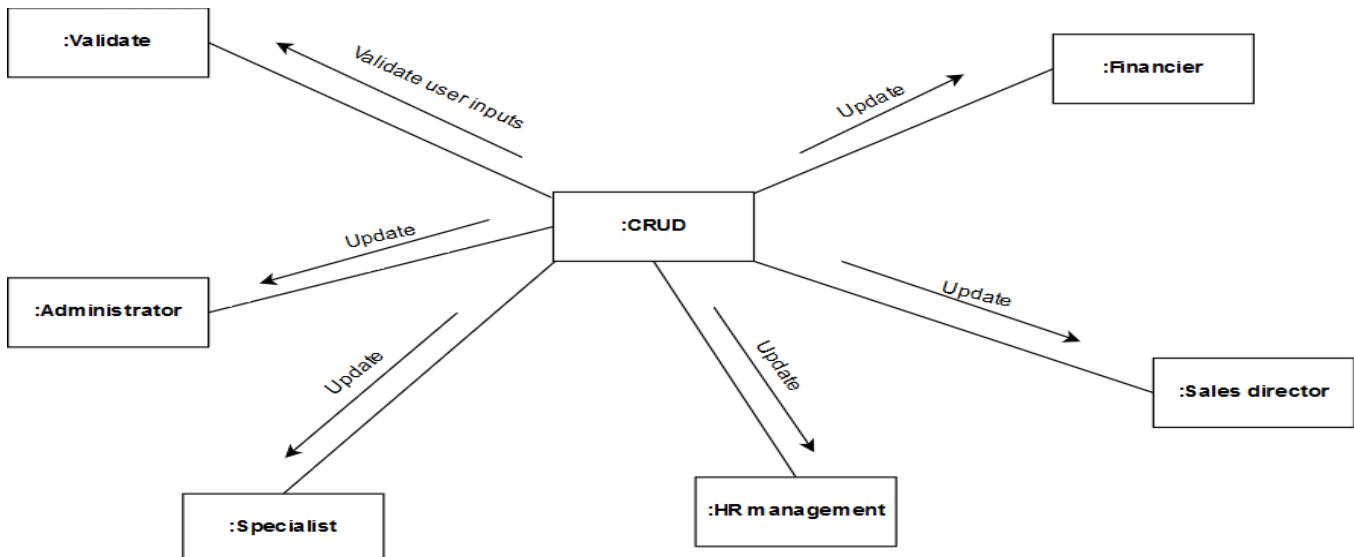


ColD_04 – SeqD_01-Users report

WineSight Requirements Specification



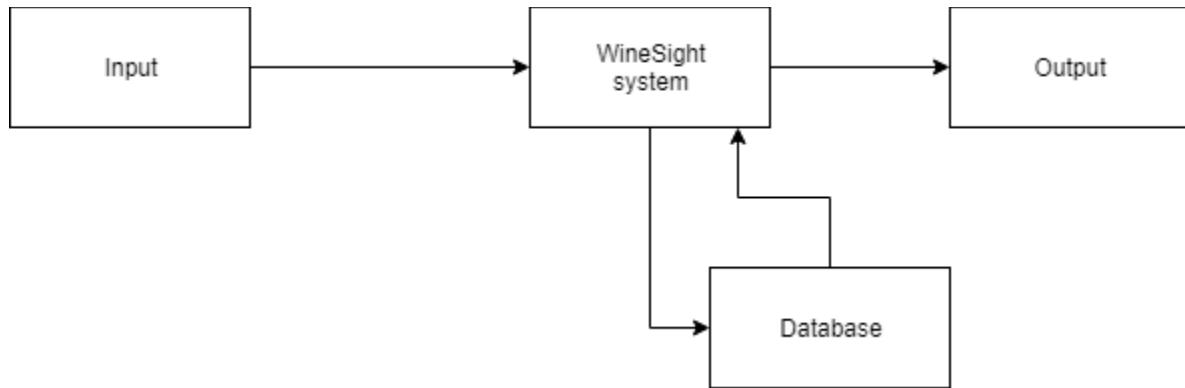
CoID_05 – SeqD_01-Users report



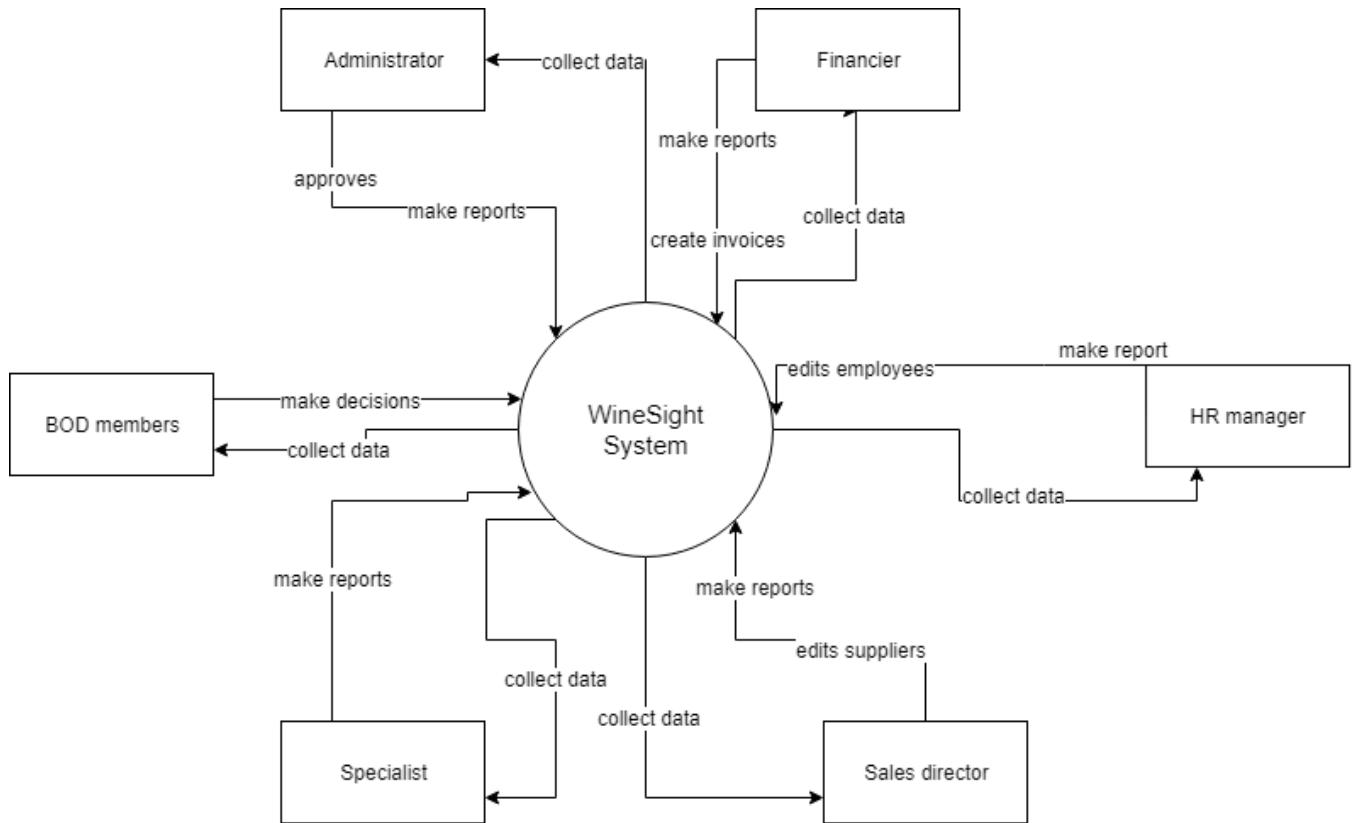
CoID_06 – SeqD_01-Users

4.3 Data Flow Diagrams

Level 0

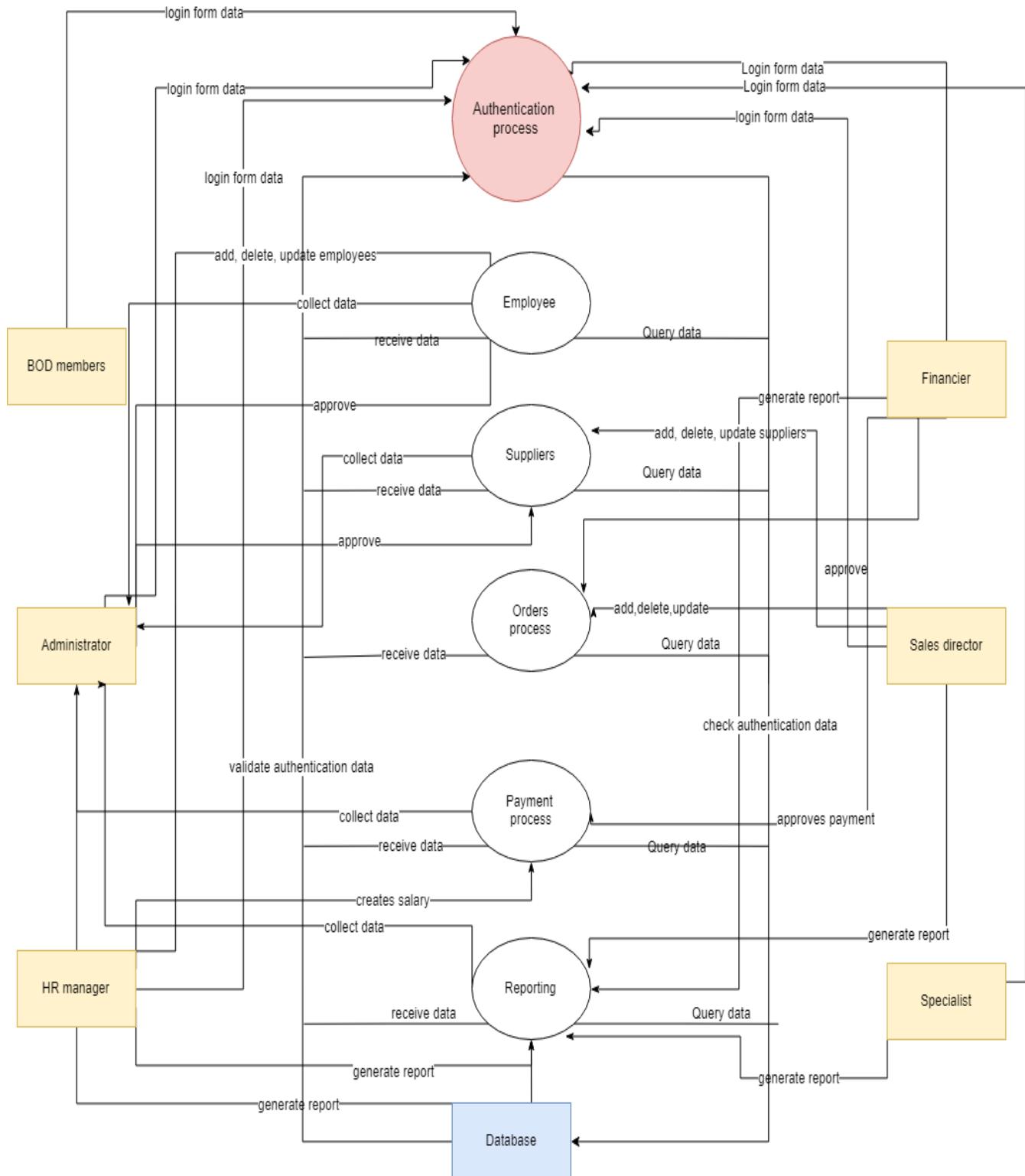


Level 1

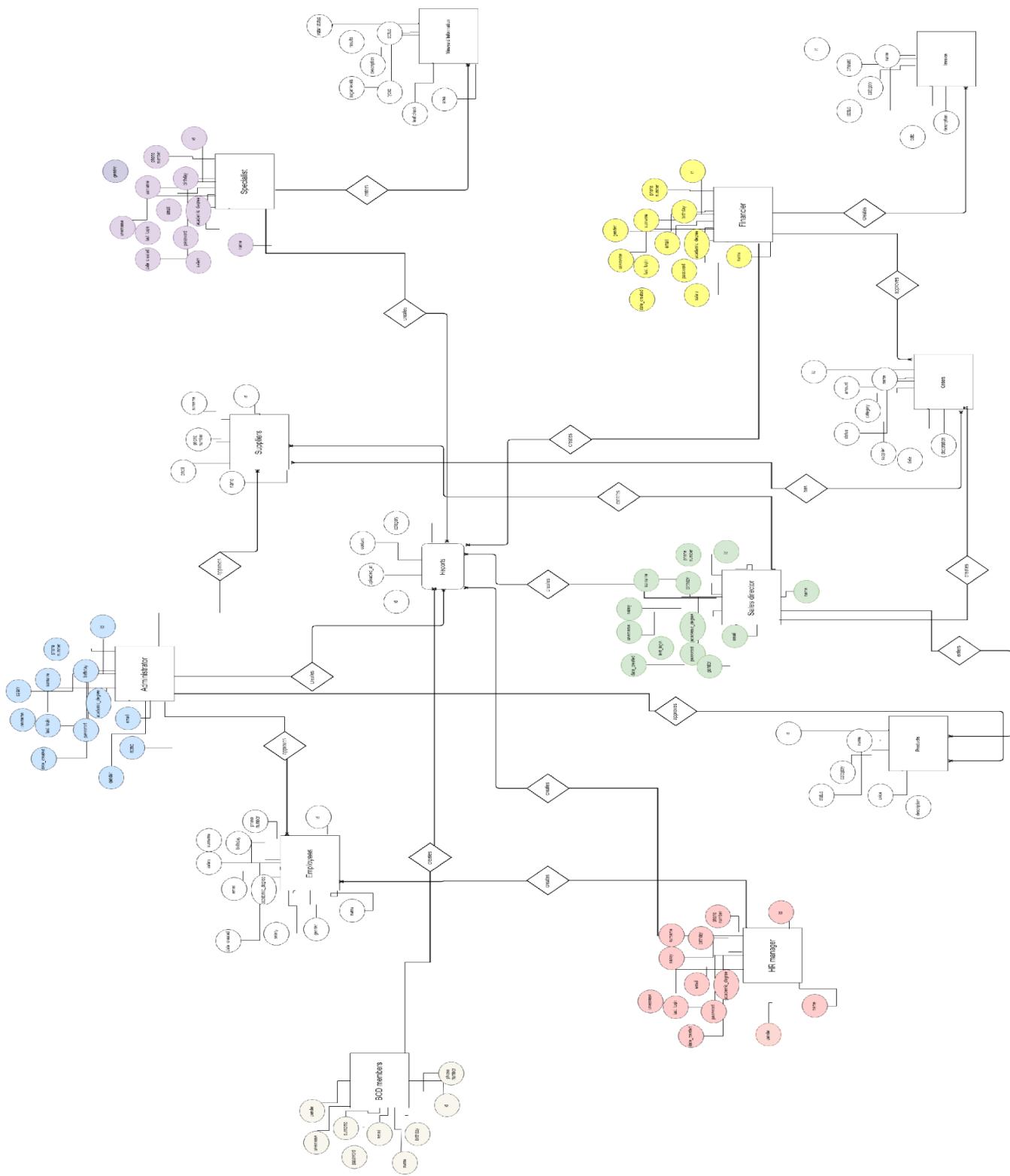


WineSight Requirements Specification

Level 2

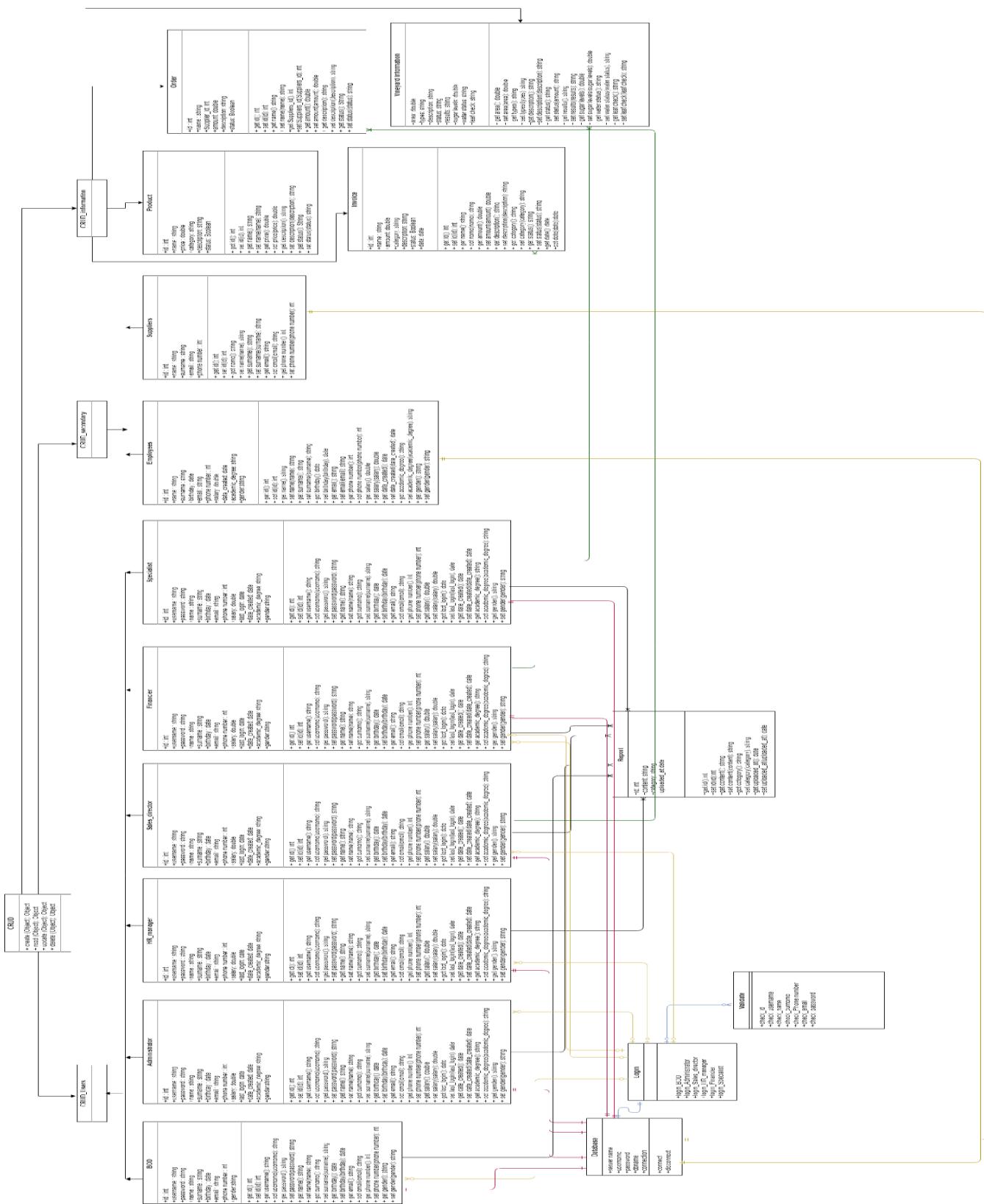


4.4 Entity Relation



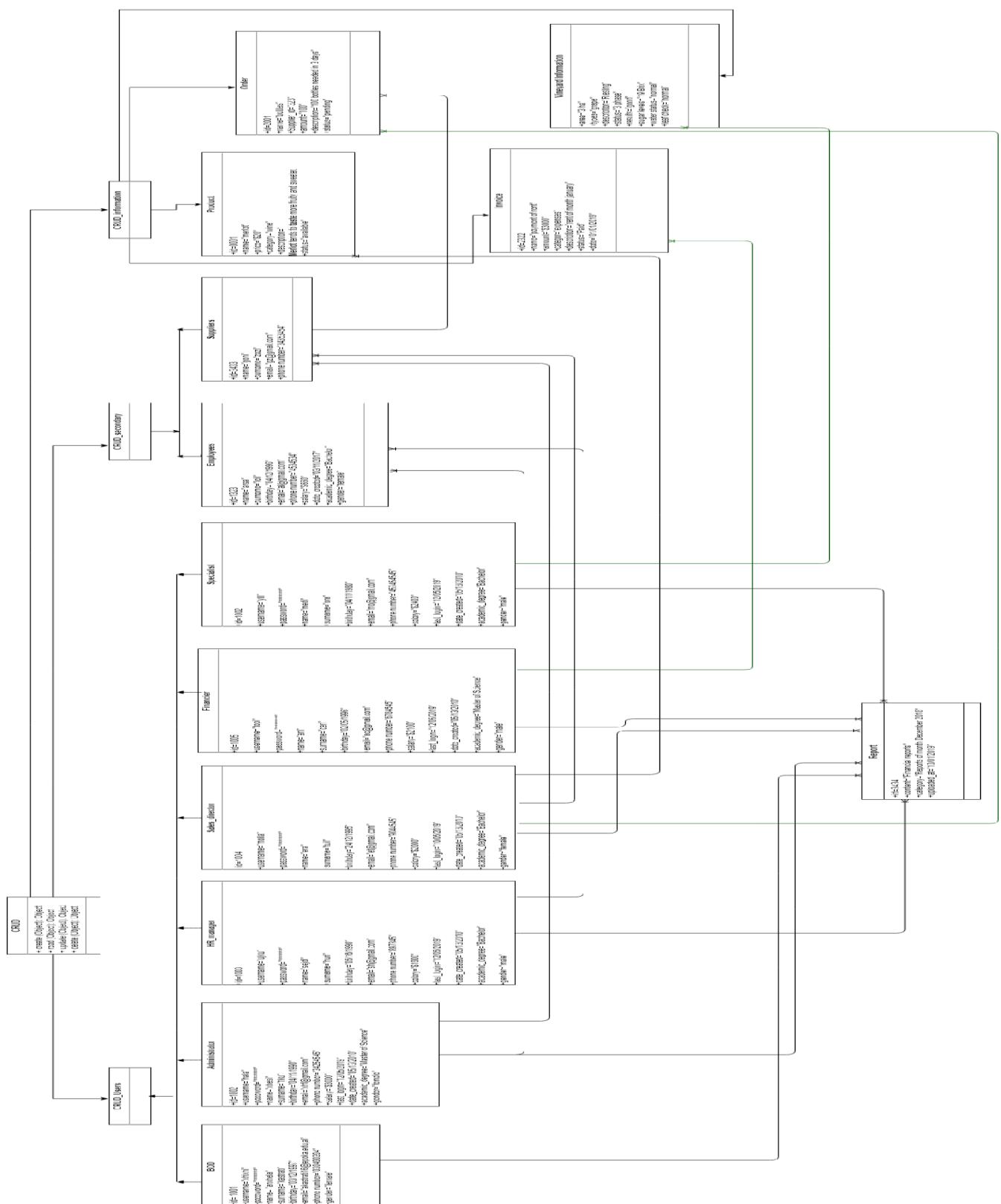
4.5 Structural Diagrams

4.5.1 Class Diagram

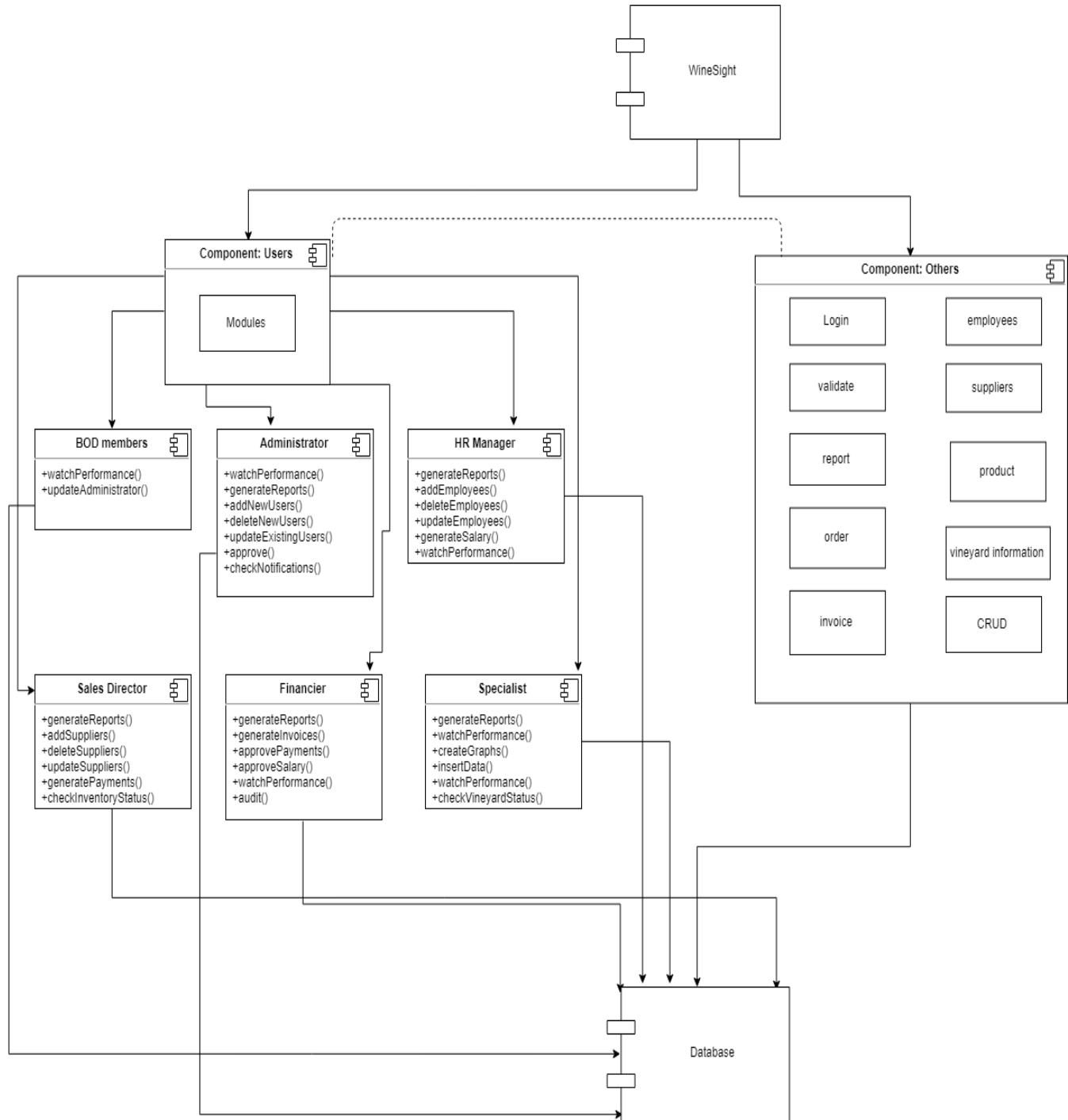


WineSight Requirements Specification

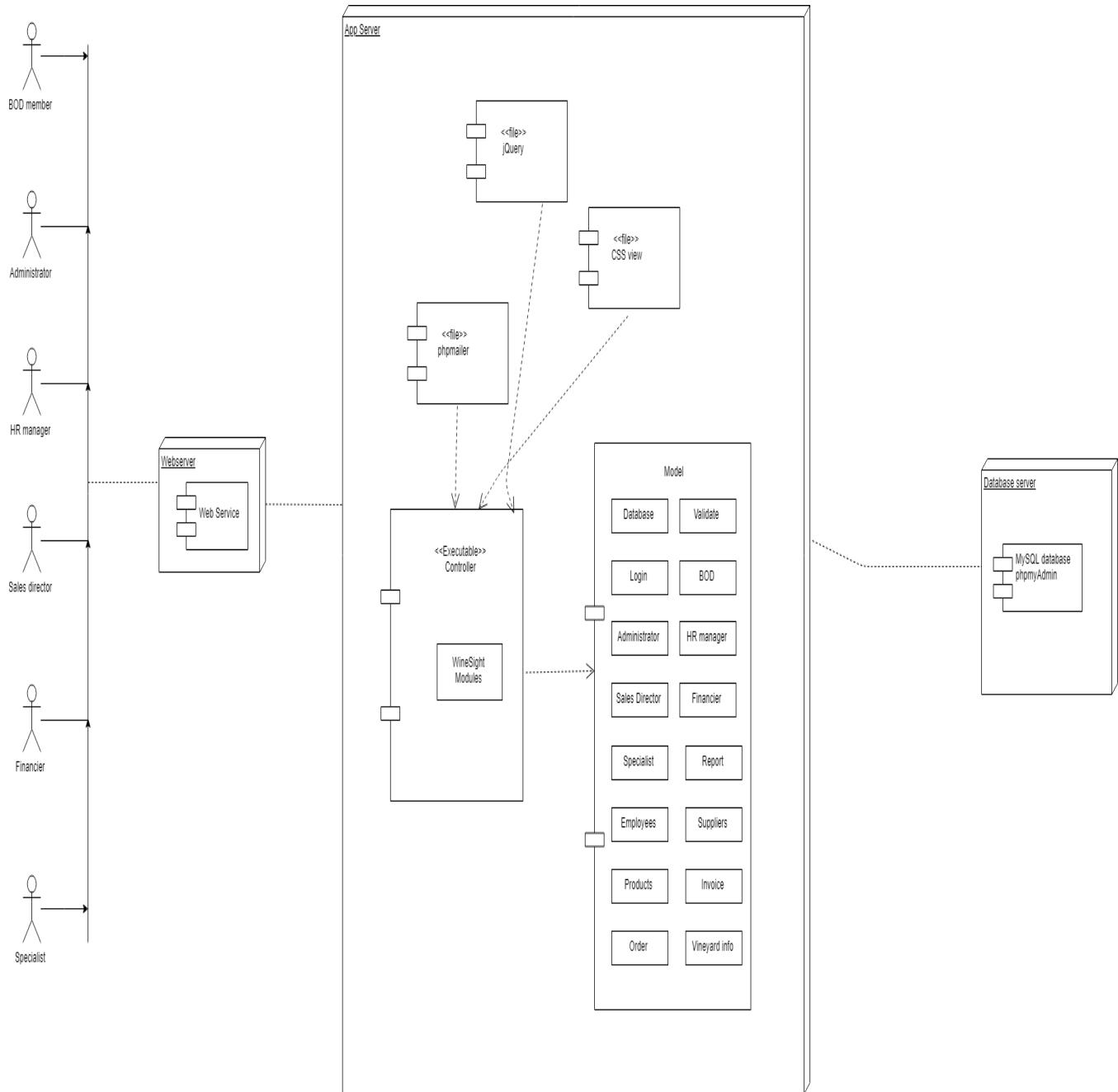
4.5.2 Object Diagrams



4.5.3 Component Diagrams



4.5.4 Deployment Diagram



5. Implementation Technology

WineSight is a Web Application. For the creation of this software, we have combined Client Side Scripting and Server Side Scripting. The communication between the client and the server will take place via HTTP protocol.

For the Client Side Scripting we have used the following technologies:

- HTML 5 (HyperText Markup Language)
- CSS 3 (Cascading Style Sheets)
- JavaScript

For the Server Side Scripting, we have used PHP. This allows the users to interact with the software and with each other. To administrate MySQL over the web, phpMyAdmin has been used. This project is published in github, where you can find the step by step procedure of the creation of this project (diagrams, designs, requirements, meeting reports, personal logs, etc.):

<https://github.com/anxhelaKastrati/WineSight>

5.1 Installation Manual

This software is a Web Application there is no need to download a large file in your computers. There is an application that you must have in order to proceed with the steps. The application is called XAMPP.

The steps for running the software are as follow:

- 1) Download the folder of the software called WineSight
- 2) Open XAMPP and start Apache and MySQL
- 3) Click on the explorer folder in the right hand side of XAMPP application.
- 4) Click the htdocs folder
- 5) Insert the folder of the software inside this folder
- 6) Open a web browser and enter this URL : <http://localhost/phpmyadmin/>
- 7) You now need to create a database called wine_sight
- 8) To import the SQL file you go to import choose the file called wine_sight(2).sql and click go
- 9) After the creation was successful you can now open the software
- 10) To do so enter this URL: <http://localhost/WineSight>
- 11) You can now use our software

5.2 User Manual

After you have installed and completed all the steps in the installation process you can use the software. It has 6 users :

- Board of directors- username:ehalili , password: 123
- Administrator- username: akastrati , password: 123
- Financier- username: arami, password: 123
- Sales director- username: bbegaj , password: 123
- HR manager- username: lbercaka, password: 123
- Specialist- username: Specialist , password: 123

Each one of the users has a different view and rights.

- To check Admin actions you go to Bod.
- To check users, reports you go to admin.
- To add, remove employees, salaries use HR.
- To pay bills, check payments use financier.
- To check suppliers oder products user sales director.
- To check products, vineyard, use Specialist.

The software has other features that are better explained in other parts of this document.

You can log out from each user.

You can use the database for other editing functions.

6. Project Planning

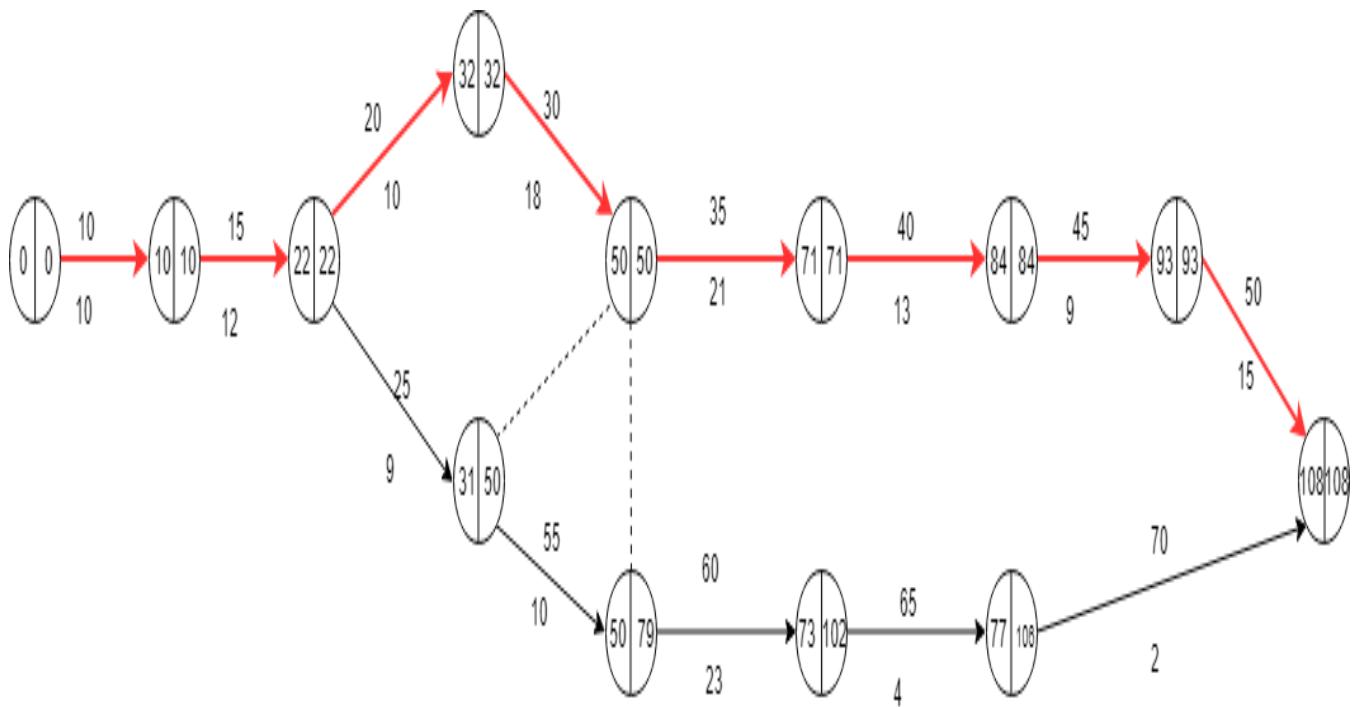
6.1 General Information

- Project Name: WineSight (Winery Management System)
- Members: Adelajda Rami, Anxhela Kastrati, Borana Begaj, Erjon Halili, Lorika Bercaka
- Real start and end days: 27.03.2019 – 04.06.2019
- Estimated start and end days: 27.03.2019 – 30.08.2019
- Real total days: 70 days
- Estimated total days: 156 days

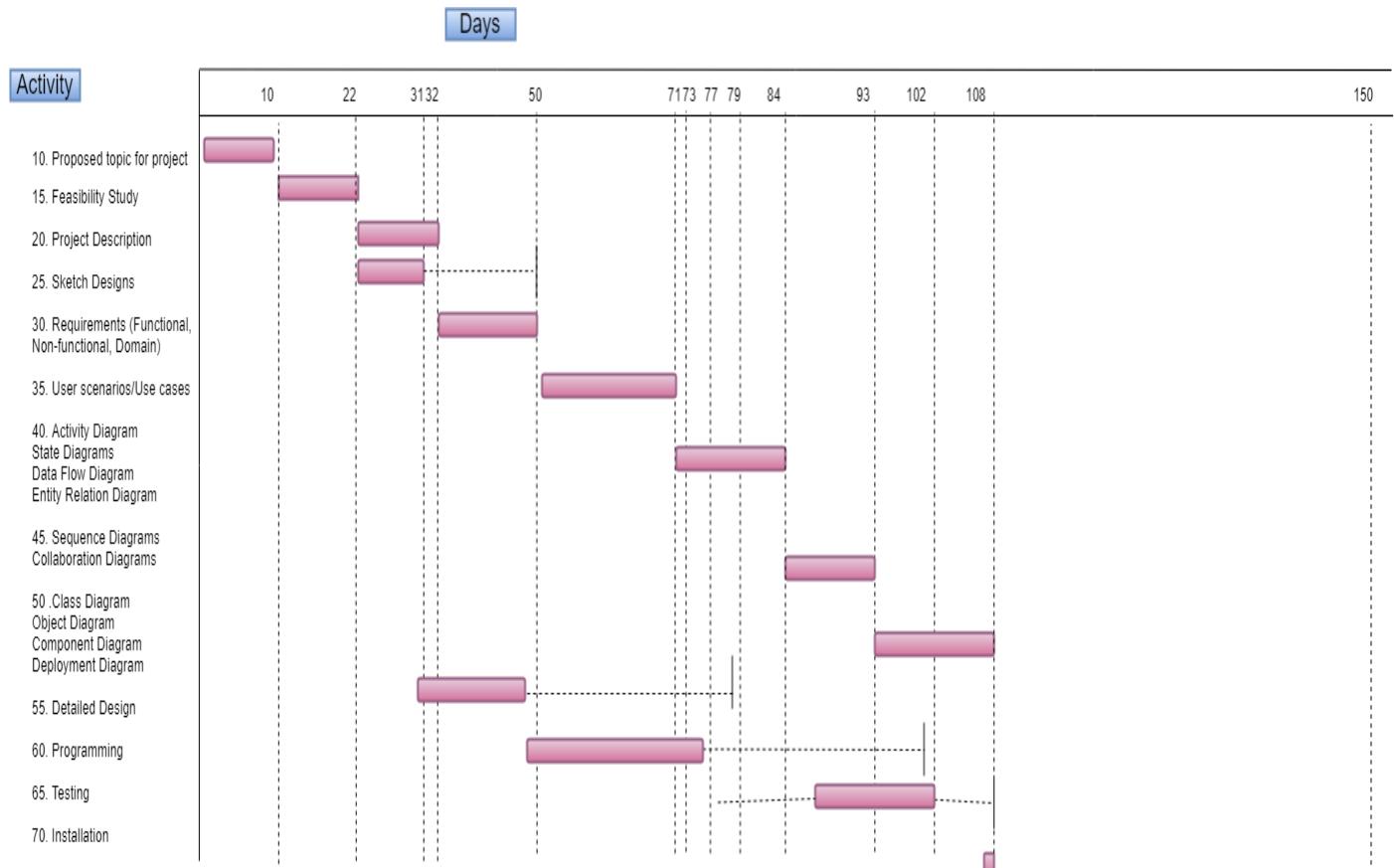
6.2 Network Analysis

Nr	Activity	Duration (Days)	Dependencies
10	Proposed topic for project	10	-
15	Feasibility Study	12	10
20	Project Description	10	15
25	Sketch Designs	9	15
30	Requirements (Functional, Non-functional, Domain)	18	20
35	User scenarios Use cases	21	25, 30
40	Activity Diagram State Diagrams Data Flow Diagram Entity Relation Diagram	13	35
45	Sequence Diagrams Collaboration Diagrams	9	40
50	Class Diagram Object Diagram Component Diagram Deployment Diagram	15	45
55	Detailed Design	10	25
60	Programming	23	30, 55
65	Testing	4	60
70	Installation	2	65

6.3 Networks



6.4 Stage Plan (Gantt Charts)



Distribution of main tasks

- Proposed topic for project → (All members)
- Feasibility Study → (All members)
- Project Description → (Lorika Bercaka & Borana Begaj)
- Sketch Designs → (Erjon Halili)
- Requirements (Functional, Non-functional, Domain) → (Anxhela Kastrati & Adelajda Rami)
- User scenarios → (Erjon Halili & Lorika Bercaka & Borana Begaj)
- Use cases → (Lorika Bercaka & Borana Begaj)
- Activity Diagram → (Adelajda Rami)
- State Diagrams → (Adelajda Rami)
- Data Flow Diagram → (Anxhela Kastrati)
- Entity Relation Diagram → (Anxhela Kastrati)
- Sequence Diagrams → (Anxhela Kastrati)
- Collaboration Diagrams → (Adelajda Rami)
- Class Diagram → (Anxhela Kastrati)
- Object Diagram → (Borana Begaj)
- Component Diagram → (Lorika Bercaka)
- Deployment Diagram → (Anxhela Kastrati)
- Detailed Design → (Erjon Halili & Lorika Bercaka & Borana Begaj)
- Programming → (All members)
- Testing → (All members)

- Installation → (All members)

7. Appendix

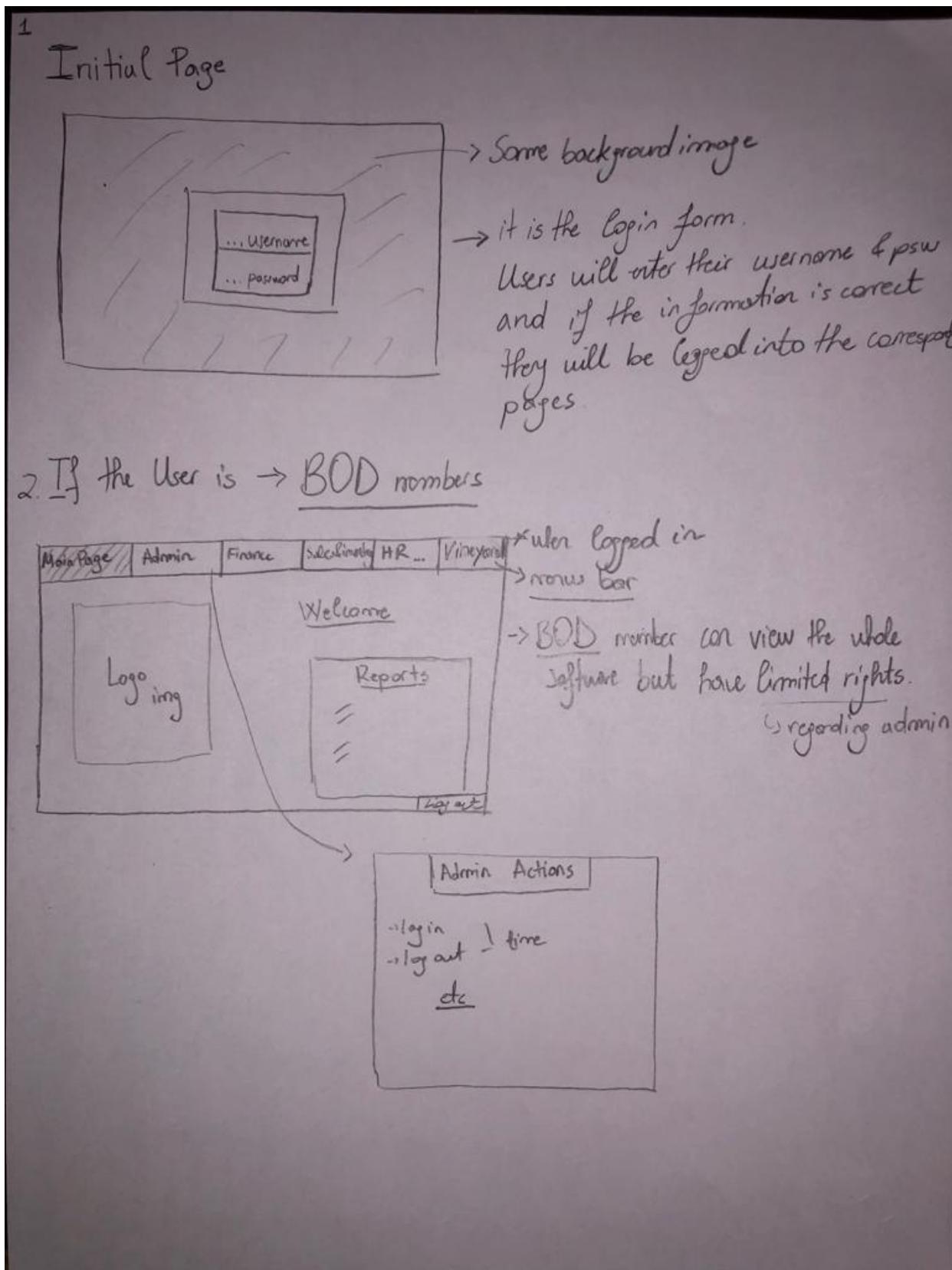
7.1 Appendix A - Definitions, Acronyms and Abbreviation

- AD_## - Activity Diagram followed by a number
- CD – Class Diagram
- CoD – Component Diagram
- ColD_## – Collaboration Diagram followed by a number
- DD – Deployment Diagram
- DFD_## - Data Flow Diagram followed by a number
- ERD – Entity Relation Diagram
- FR_## - Functional Requirement followed by a number
- OD – Object Diagram
- SD_## - State Diagram followed by a number
- SeqD_## - Sequence Diagram followed by a number
- UC_## - Use Case followed by a number
- UI – User Interface
- US_## - User Scenario followed by a number
- BOD- Board of Directors
- HR- Human resource
- SD- Sales Director

7.2 Appendix B – References

- [1] KANTINA SKENDERBEU. (n.d.). Retrieved from <http://www.kantinaskenderbeu.al/>
- [2] HTML. (n.d.). Retrieved from <https://www.w3schools.com/>
- [3] Law for personal data. (n.d.). Retrieved from http://www.hidaa.gov.al/ligje/ligji i mbrojtjes se te dhenave personale.pdf
- [4] Law for minors. (n.d.). Retrieved from <http://www.ishp.gov.al/wp-content/uploads/2015/ligjet/Per-mbrojtjen-e-te-mitruve-nga-perdorimi-i-alkoolit.pdf>

7.3 Appendix C- Sketches



when Logged in as Admin



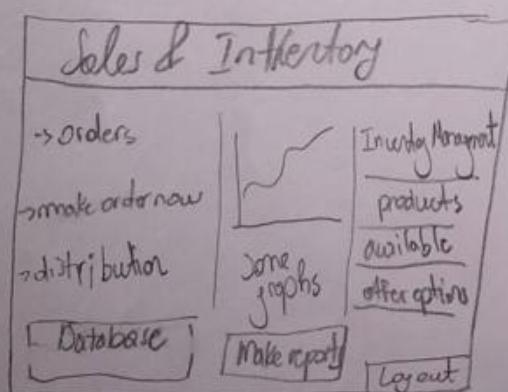
- almost the same view as BOD
- Admin has some editing rights
- can view the whole software.
- tables & Database control
- make reports and send them to BOD members

when logged in as the Financier/Accountant



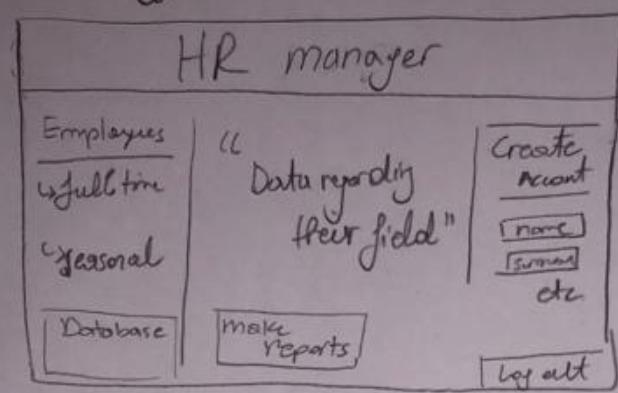
- view Data regarding their field
- Home tables & Database control
- make reports, & send them to Admin

when logged in as the Sale & Inventory Director



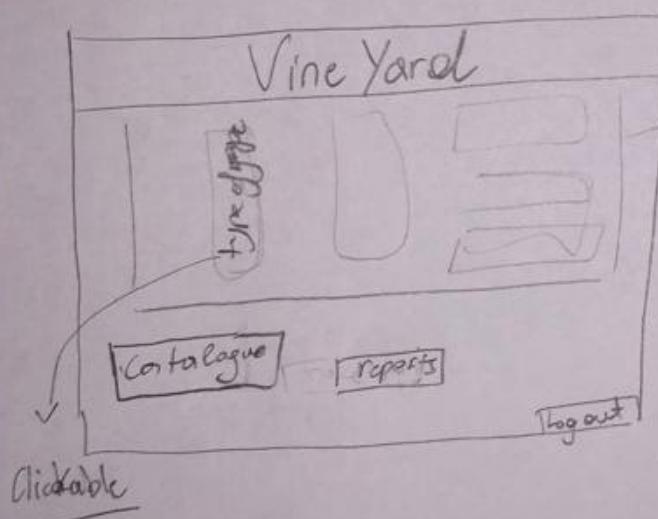
- Sales Director
- can control orders
- make new orders
- Tables & Database control
- make reports and send them to Admin

o When logged in as the HR manager



- HR manager can create accounts
- ↳ for employees
- can have access to the database, tables
- make reports and send them to admin.

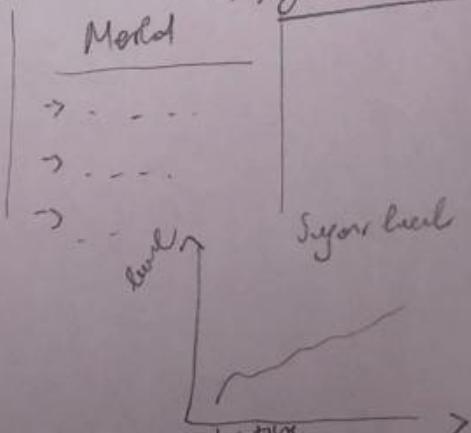
o When logged in as the Specialist



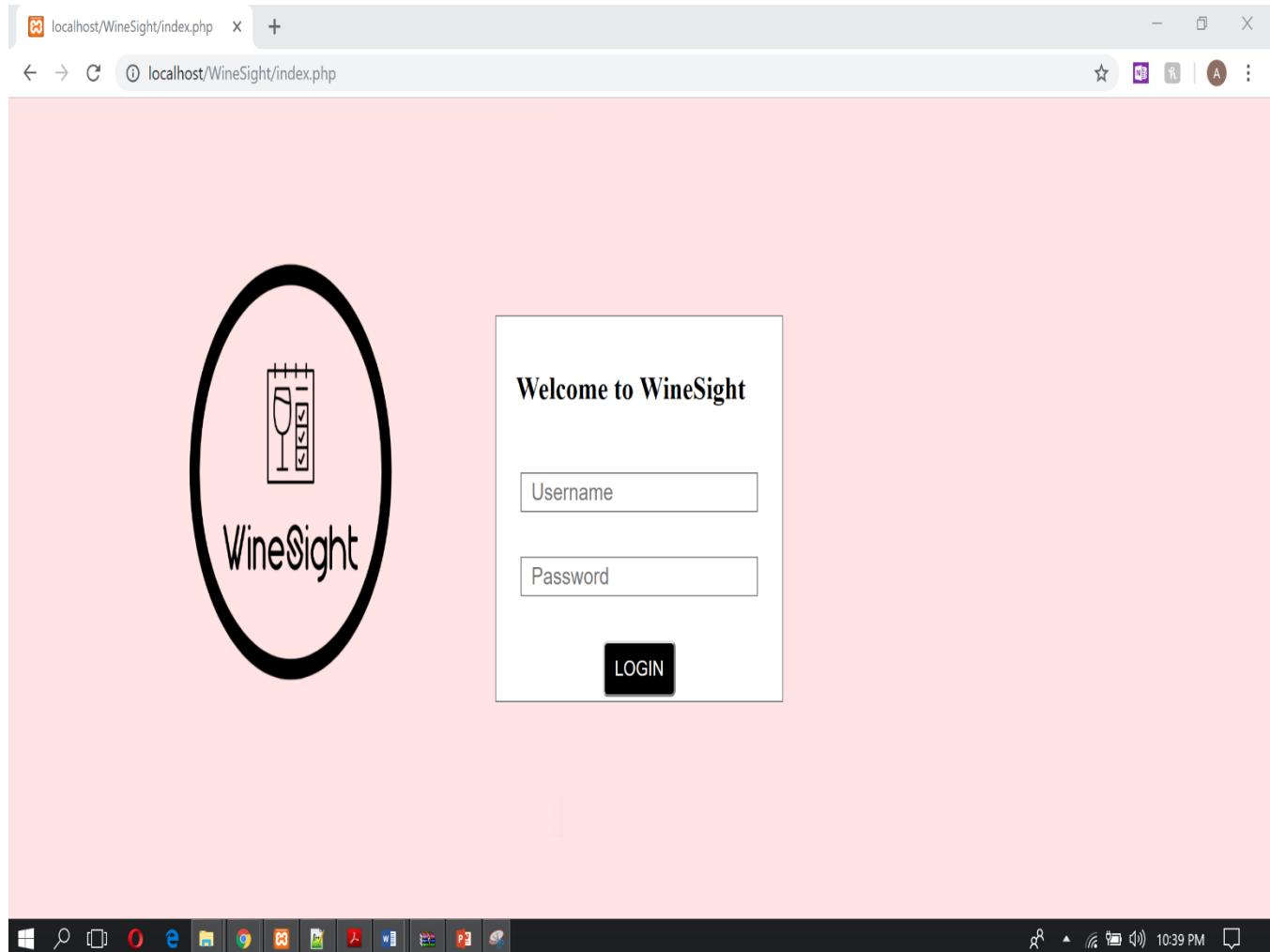
Clickable
When clicked
will direct to
graphs and tables for Ex

→ Area of the Vineyard
types of raw ingredients
(142 Ha)

→ The specialist will get the
raw data of the 2 devices
(Chardonnay device, chard)
analyze them and make useful
information, (graphs, database)
↳ forecasting

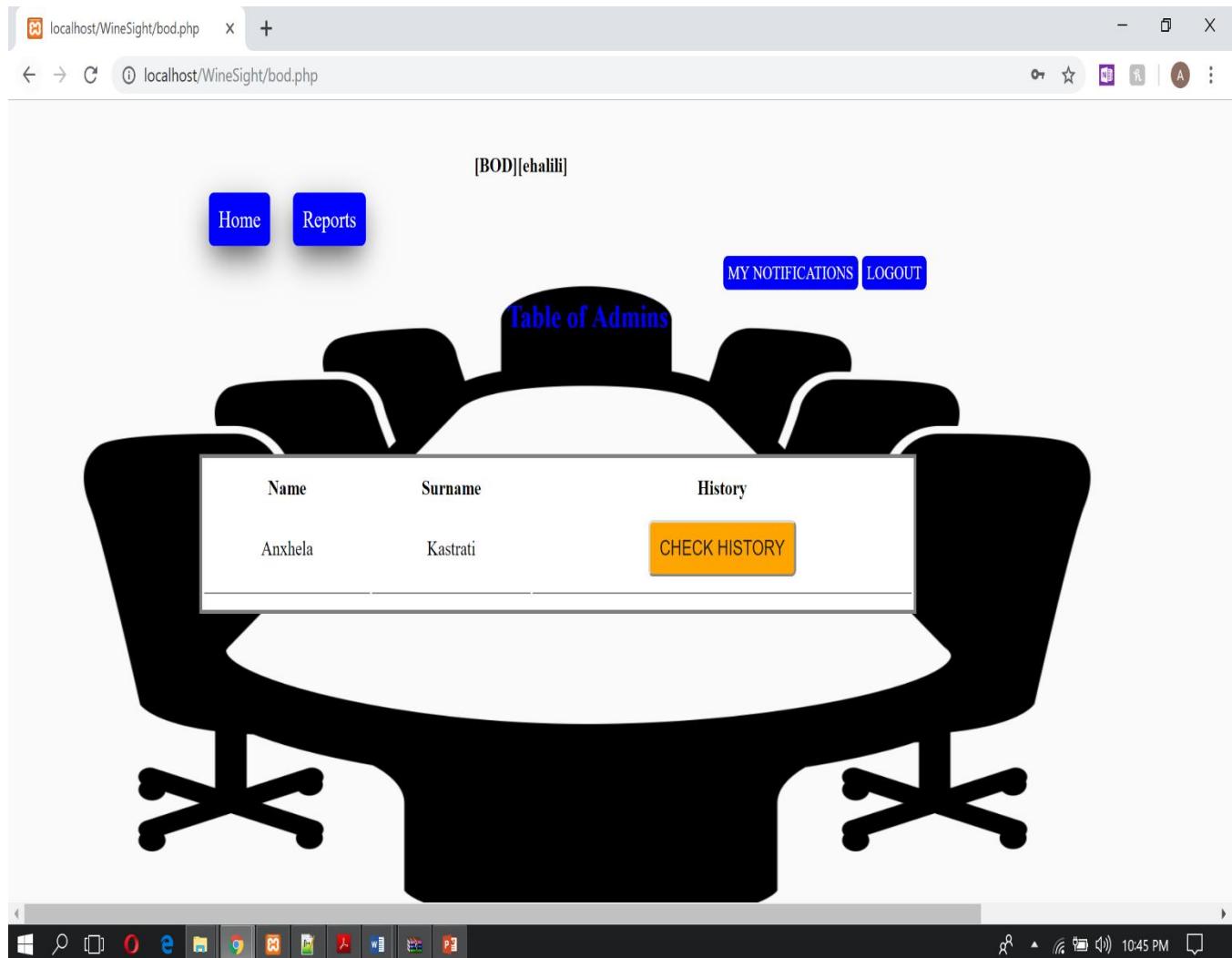


7.4 Appendix D- Screenshots



Login of users

WineSight Requirements Specification



Board of Directors view

WineSight Requirements Specification

The screenshot shows a web browser window titled "localhost/WineSight/reports.php". The page header includes the text "[BOD][ehalili]". Below the header are two blue buttons: "Home" and "Reports". At the top right are "MY NOTIFICATIONS" and "LOGOUT" buttons. The main content is a table titled "Table of Reports" with columns: Title, Author, Date, and Action (containing a "READ" button). The table contains five rows, each with a different title ("titlewr?", "titlewr?", "titlewr", "titlewr", "titlewr") and the same author ("lbercaka") and date ("2019-Jun-01 11:06"). The bottom of the window shows a Windows taskbar with various icons.

BOD table of reports

The screenshot shows a web browser window titled "localhost/WineSight/notificationB.php". The page header includes the text "[BOD][ehalili]". Below the header are three blue buttons: "MY NOTIFICATIONS", "LOGOUT", and "Go back". The main content is a table titled "Notifications" with columns: From User, From Type, Subject, Status, and Action. The table is currently empty. The bottom of the window shows a Windows taskbar with various icons.

BOD notifications

WineSight Requirements Specification

The screenshot shows a web browser window for 'localhost/WineSight/admin.php'. The title bar displays the URL. The page header includes a user profile placeholder with a red head and green body, and navigation links for 'Home' and 'Reports'. On the right, there are 'MY NOTIFICATIONS' and 'LOGOUT' buttons. Below the header is a section titled 'Table of Users' containing a table with the following data:

Name	Surname	Position	Status	Action
Adelajda	Rami	financier	approved	
Borana	Begaj	sales_director	approved	
Name	Surname	specialist	approved	
Erjon	Halili	bod	approved	
Anxhela	Kastrati	admin	approved	
Lorika	Bercaka	hr	approved	
To be	deleted	kota biskota		

The bottom of the screen shows a taskbar with various icons and the text 'Admin View'.

Name	Surname	Position	Status	Action
Adelajda	Rami	financier	approved	
Borana	Begaj	sales_director	approved	
Name	Surname	specialist	approved	
Erjon	Halili	bod	approved	
Anxhela	Kastrati	admin	approved	
Lorika	Bercaka	hr	approved	
To be	deleted	kota biskota		

WineSight Requirements Specification

localhost/WineSight/notificationsA.php

MY NOTIFICATIONS LOGOUT Go back

Notifications

From User	From Type	Subject	Status	Action
bbegaj	sales_director	supplier_added	unseen	CLEAR
arama	financier	order_created	unseen	CLEAR
arama	financier	order_created	unseen	CLEAR
bbegaj	sales_director	product_added	unseen	CLEAR
bbegaj	sales_director	product_added	unseen	CLEAR
bbegaj	sales_director	product_added	unseen	CLEAR
bbegaj	sales_director	product_added	unseen	CLEAR
ahoxha	specialist	report_uploaded	unseen	CLEAR
ehoxha	hr	supplier_added	unseen	CLEAR
				CLEAR

Admin notifications

localhost/WineSight/reportsA.php

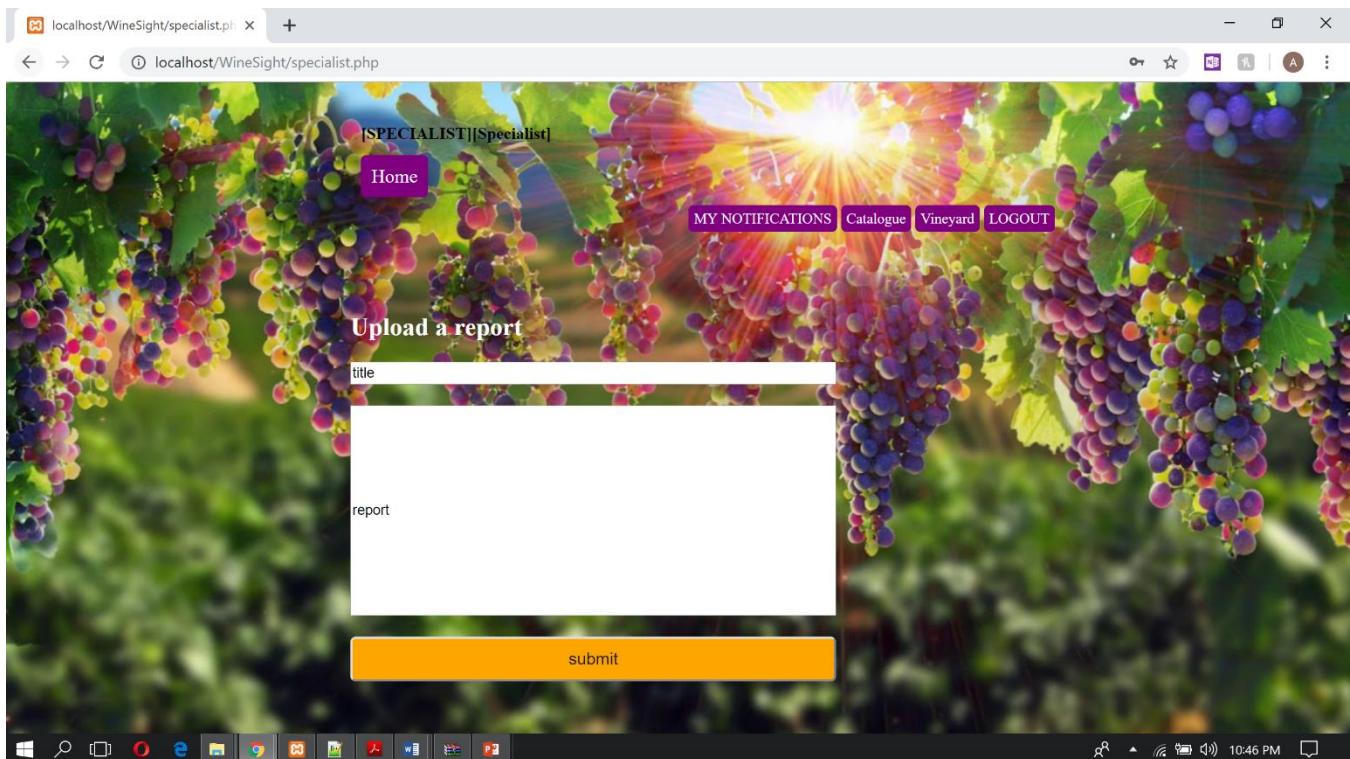
MY NOTIFICATIONS LOGOUT

Table of Reports

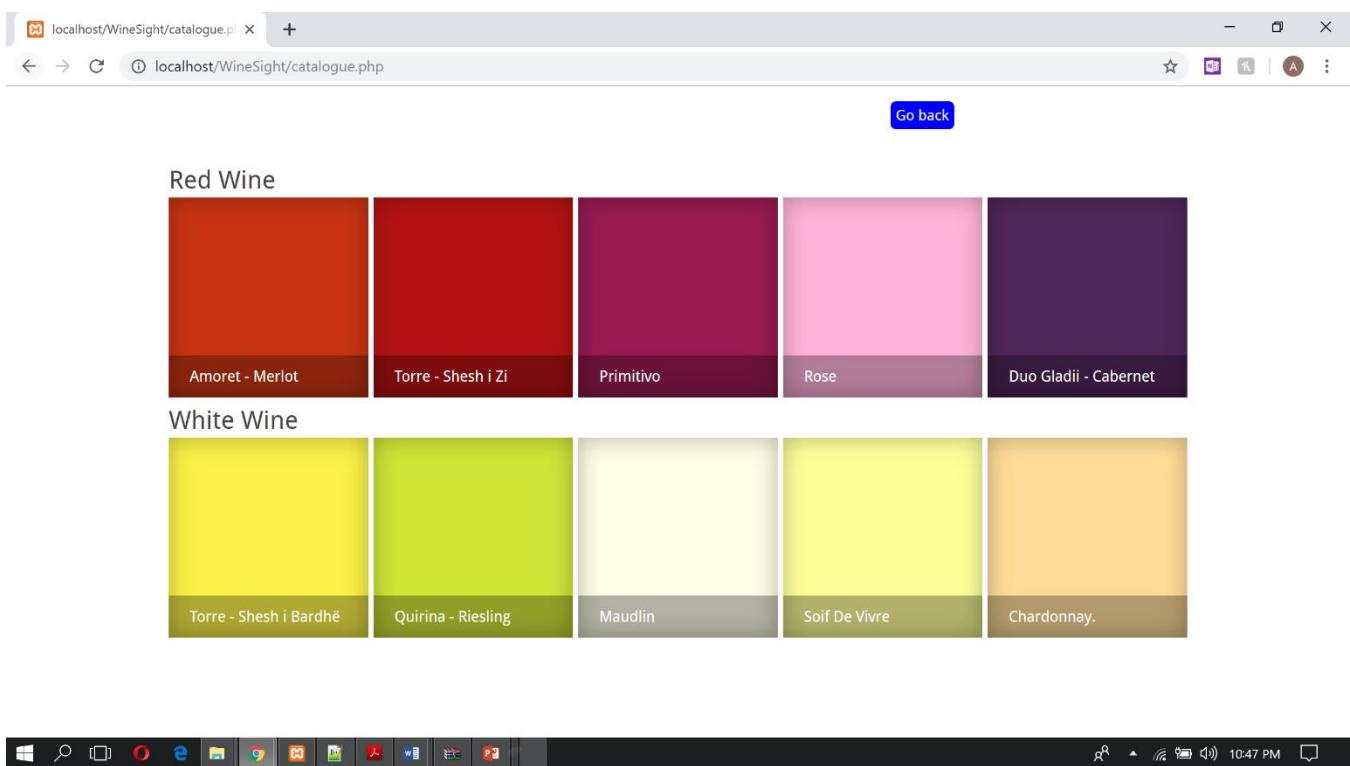
Title	Author	Date	Action
titlewr?	lbercaka	2019-Jun-01 11:06	READ
titlewr?	lbercaka	2019-Jun-01 11:06	READ
titlewr	lbercaka	2019-Jun-01 11:06	READ
titlewr	lbercaka	2019-Jun-01 11:06	READ
titlewr	lbercaka	2019-Jun-01 11:06	READ
title	ehalili	2019-Jun-01 06:06	READ

Admin reports

WineSight Requirements Specification

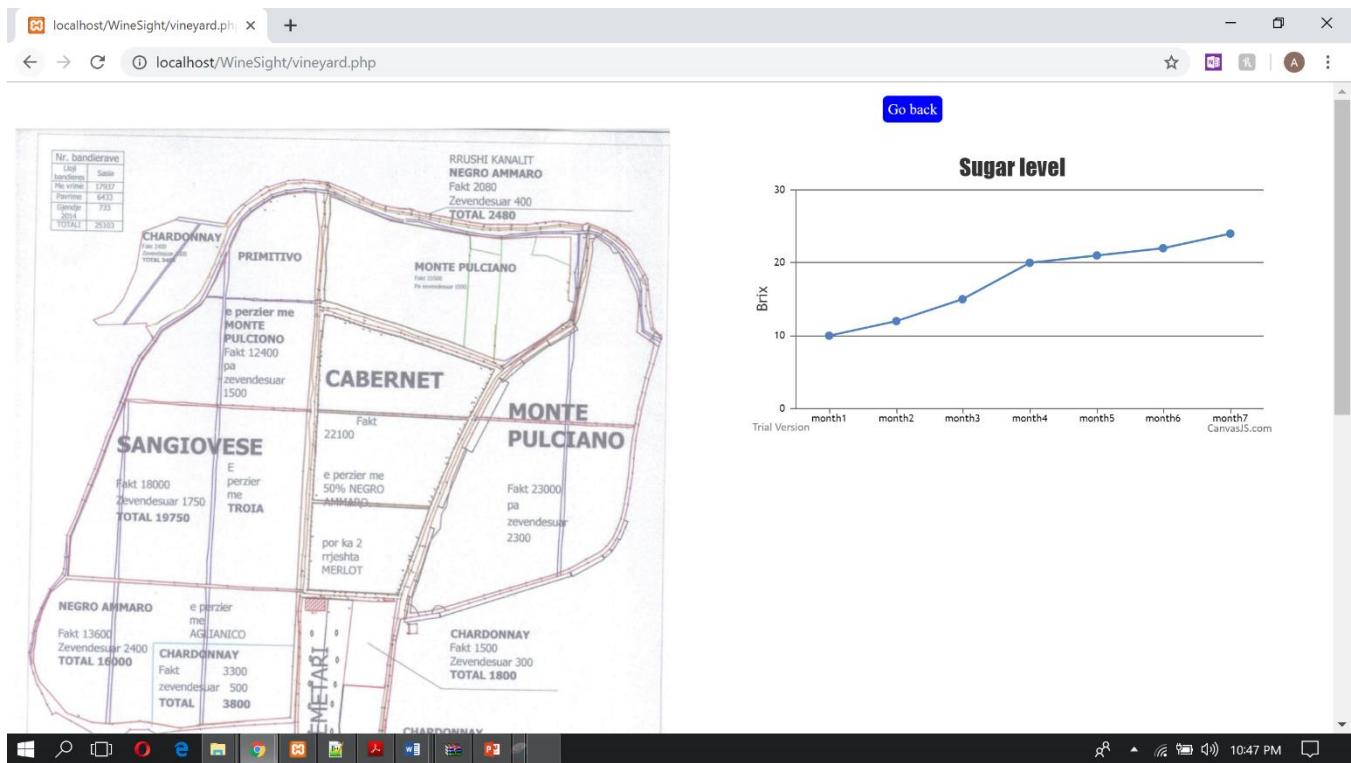


Specialist View



Specialist Catalogue

WineSight Requirements Specification



Specialist Vineyard

WineSight Requirements Specification

The screenshot shows a web browser window titled "[FINANCIER][arami]" with the URL "localhost/WineSight/financier.php". The page has a header with "Home" and "All Payments" buttons, and "MY NOTIFICATIONS" and "LOGOUT" links. Below the header is a table with columns: Id, Product, Desc, Price, Quantity, and Amount. The table contains 10 rows of data. The last row is highlighted with a grey background.

Id	Product	Desc	Price	Quantity	Amount
686	name	desc	290	2	580
687	name	desc	290	1	290
688	name	desc	290	1	290
689	name	desc	290	1	290
690	name	desc	290	2	580
691	name	desc	290	1	290
692	name	desc	290	2	580
693	name	desc	290	1	290
694	box	ddd	32	1	32

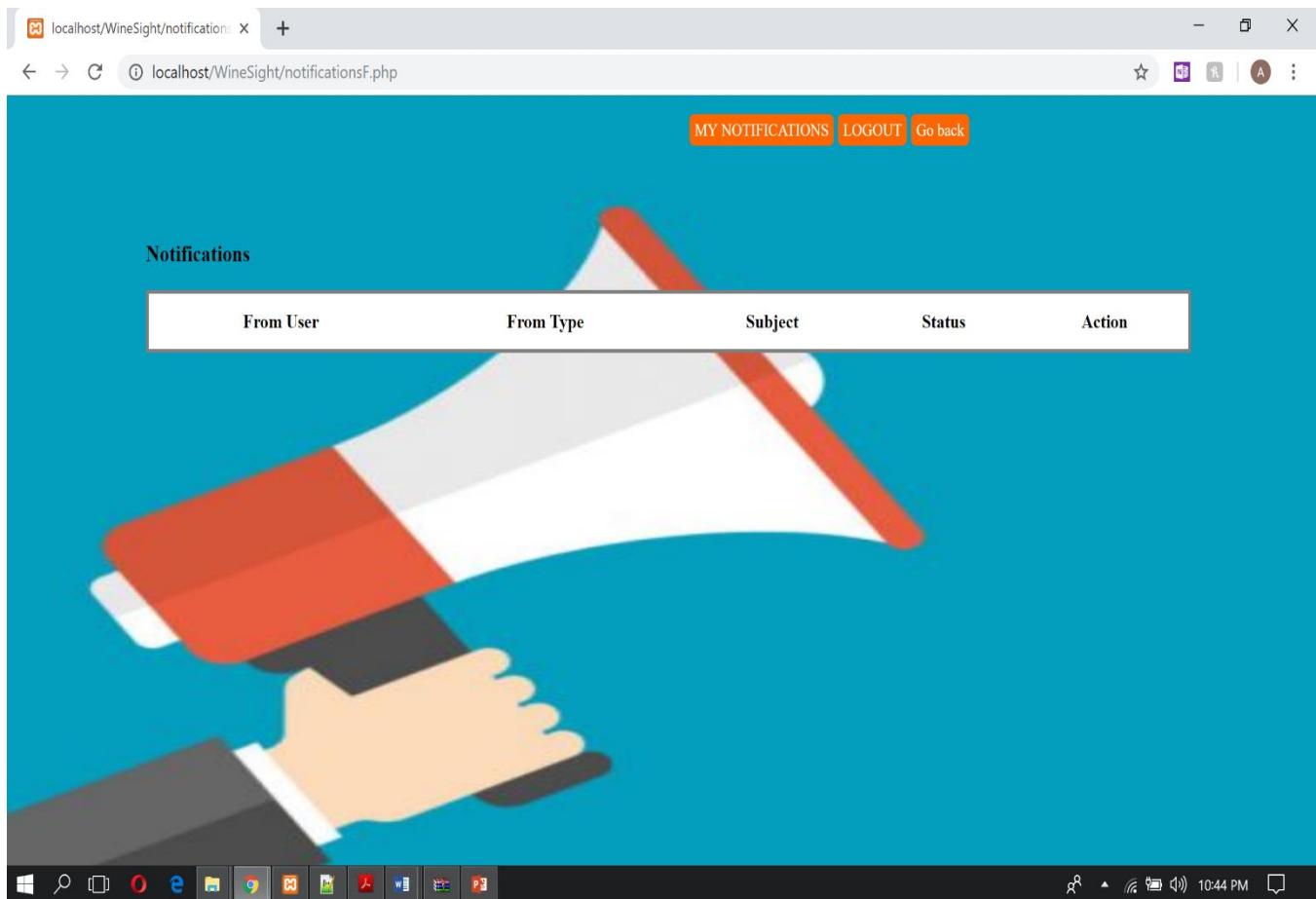
Financier view

The screenshot shows a web browser window titled "[FINANCIER][arami]" with the URL "localhost/WineSight/allPayments.php". The page has a header with "Home" and "All Payments" buttons, and "MY NOTIFICATIONS" and "LOGOUT" links. The background features several large, overlapping coins. Below the header is a table with columns: Name, Category, Date, Amount, and Status. The table contains 8 rows of data.

Name	Category	Date	Amount	Status
prods	Product	2019-Jun-01 11:06	3480	paid
prods	Product	2019-Jun-01 11:06	3480	paid
Invoice dsd	Product	2019-Jun-01 11:06	4060	paid
Invoice Namesd	Product	2019-Jun-01 11:06	870	paid
Invoice Namesd	Product	2019-Jun-01 11:06	2030	paid
Invoice Name	Product	2019-Jun-01 06:06	0	paid
prods	Product	2019-Jun-02 10:06	580	paid

Financier Payments

WineSight Requirements Specification



Financier Notifications

WineSight Requirements Specification

The screenshot shows a web browser window titled "localhost/WineSight/hr.php". The page header includes the text "[HR][Ibercaka]" and navigation links for "Home", "Add Employee", and "Seasonal Workers". On the right, there are "MY NOTIFICATIONS" and "LOGOUT" buttons. The main content area displays a table of employee data:

Name	Surname	Position	EDIT/SALARY	REMOVE
Adelajda	Rami	financier	EDIT/SALARY	REMOVE
Borana	Begaj	sales_director	EDIT/SALARY	REMOVE
Name	Surname	specialist	EDIT/SALARY	REMOVE
Erjon	Halili	bod	EDIT/SALARY	REMOVE
Anxhela	Kastrati	admin	EDIT/SALARY	REMOVE

At the bottom of the browser window, the taskbar shows various application icons.

Human Resource Manager view

The screenshot shows a web browser window titled "localhost/WineSight/addEmployee.php". The page header includes the text "[HR][Ibercaka]" and navigation links for "Home", "Add Employee", and "Seasonal Workers". On the right, there are "MY NOTIFICATIONS" and "LOGOUT" buttons. The main content area contains a form for adding new employees:

Username	Birthday
Password	Phone
Name	Salary
Surname	Academic Degree
Email	Gender

Below the form is a row of radio buttons for selecting a position: Admin, HR, Sales Director, Specialist, Financier, and Seasonal Worker. A large green "ADD" button is centered at the bottom of the form area.

At the bottom of the browser window, the taskbar shows various application icons.

HR add employees

WineSight Requirements Specification

The screenshot shows a web browser window titled "localhost/WineSight/seasonalWorkers.php". The page header includes the text "[HR][Ibercaka]" and navigation links for "Home", "Add Employee", and "Seasonal Workers". On the right, there are "MY NOTIFICATIONS" and "LOGOUT" buttons. The main content area displays a table of seasonal workers:

Name	Surname	Email
Ben	Smith	bsmith@gmail.com
Goni	Hoxha	ghoxha@gmail.com
Anxhi	Kastrati	akastrati16@gmail.com

HR seasonal workers

The screenshot shows a web browser window titled "localhost/WineSight/notificationsH.php". The page header includes the text "[HR][Ibercaka]" and navigation links for "Home", "Add Employee", and "Seasonal Workers". On the right, there are "MY NOTIFICATIONS", "LOGOUT", and "Go back" buttons. The main content area displays a table header for "Notifications":

From User	From Type	Subject	Status	Action
-----------	-----------	---------	--------	--------

HR notifications

WineSight Requirements Specification

Screenshot of the Sales Director view:

The browser tabs show: localhost / 127.0.0.1 / wine_sight, localhost / 127.0.0.1 | phpMyAdmin, and localhost/WineSight/sales_director.php.

The page title is [SALES_DIRECTOR][bbegaj].

Navigation menu buttons: Home, Add Products, Add Supplier, Order Products, MY NOTIFICATIONS, LOGOUT.

Suppliers Table

Name	Surname	Status
sup1	surname	approved
sup2	sr	approved
Agron	Hoxha	not_approved
Agim	Basha	not_approved
Agim	Toptani	not_approved
goni	zani	not_approved

Sales Director view

Screenshot of the Sales director notifications:

The browser tabs show: localhost / 127.0.0.1 / wine_sight, localhost / 127.0.0.1 | phpMyAdmin, and localhost/WineSight/notificationS.php.

The page title is Notifications.

Buttons: MY NOTIFICATIONS, LOGOUT, Go back.

Notifications

From User	From Type	Subject	Status	Action
bbegaj	admin	order_created	unseen	CLEAR
bbegaj	admin	order_created	unseen	CLEAR
bbegaj	admin	order_created	unseen	CLEAR
bbegaj	admin	order_created	unseen	CLEAR
bbegaj	admin	order_created	unseen	CLEAR
bbegaj	admin	order_created	unseen	CLEAR
bbegaj	admin	order_created	unseen	CLEAR
bbegaj	admin	order_created	unseen	CLEAR

Sales director notifications

WineSight Requirements Specification

The screenshot shows a web browser window with three tabs open: 'localhost / 127.0.0.1 / wine_sight', 'localhost / 127.0.0.1 | phpMyAdmin', and 'localhost/WineSight/order_products.php'. The current page is 'order_products.php'.

The page title is '[SALES_DIRECTOR][bbegaj]'. The navigation menu includes 'Home', 'Add Products', 'Add Supplier', 'Order Products', 'MY NOTIFICATIONS', and 'LOGOUT'.

The main content is titled 'Order products' and displays a table with columns: Name, Surname, Position, Status, Price, and Quantity. There are seven rows, each with a quantity input field. The data in the table is as follows:

Name	Surname	Position	Status	Price	Quantity
name	desc	available	290	100	<input type="text"/>
name	desc	available	290	100	<input type="text"/>
name	desc	available	290	100	<input type="text"/>
name	desc	available	290	100	<input type="text"/>
name	desc	available	290	100	<input type="text"/>
name	desc	available	290	100	<input type="text"/>

Order products

The screenshot shows a web browser window with three tabs open: 'localhost / 127.0.0.1 / wine_sight', 'localhost / 127.0.0.1 | phpMyAdmin', and 'localhost/WineSight/addSupplier.php'. The current page is 'addSupplier.php'.

The page title is '[SALES_DIRECTOR][bbegaj]'. The navigation menu includes 'Home', 'Add Products', 'Add Supplier', 'Order Products', 'MY NOTIFICATIONS', and 'LOGOUT'.

The main content is titled 'Add new supplier' and displays a form with four input fields: Name, Email, Surname, and Phone. A large green 'ADD' button is centered below the inputs.

Add Suppliers

WineSight Requirements Specification

[SALES_DIRECTOR][bbegaj]

localhost / 127.0.0.1 / wine_sight | localhost / 127.0.0.1 | phpMyAdn | localhost/WineSight/suppliers.php | +

localhost/WineSight/suppliers.php

Home Add Products Add Supplier Order Products

MY NOTIFICATIONS LOGOUT

Choose a supplier:

Name	Surname	Action
sup1	surname	ADD PRODUCTS
sup2	sr	ADD PRODUCTS

Add Product