Team viva project

1. Team section

Team 1 electronic shop (tech zone)

Shashika

Nethmi

Avishka

Sachith

Team 2 hardwere shop (iron house)

Kavindi

Pavithra

Venura

Navod

Senuri

Anusha

Kawishka

1. Comman Requirement list
2. Windows list and requirement for pos appication
3. Server app architectre and requiment list
4. Moobile app secreen list and requirement list
5. External libray used in java apps

POS app window list and arhitecture

1. Address window (Utility windows) (JDialog) (nethmi)

Adddress load to table

Address search

* By Lane
* By street

Address Adding

Button want to add window

* add button - add new address to data base
* search button – search address from database
* select button – selct address and pass data to address window opend parent window

Address class model for share data

1. Company management window (Items managent window) (JFrame)

Laod company list to table

Add new comapany to database

Seach company

* By name
* By email
* By tel

Button wnat to add to window

* Address button – open address management window for getting addres for comapany registration
* Logo add button – open file choser for select logo for company while registrating new company
* Add button – add comapany to database
* Seach button – search some company from database
* Select button – pass selected comany data to parent window that windo opend

Comany model class

1. Brand items management window (Items managent window) (Jframe) (venura)

------- Brand -------

Load brands list to tabe

Add new brand to database

Search brand

* By name
* By company

Button want to add to window

* Company button – select and get comany that brand created for new brand registering and search some brand
* Logo add button – open file choser for select logo of brand while new brand registering
* Load brand button – load all brand to table
* Search button – search brand form database
* Select and unselect button – select brand to other operations and remove selection

----- product category ------

Load all product category

Add new product category to databse

Search product category

* By name

Button want to product category

* Logo add button – open file chooser and select logo while registrating
* Load category button – load all category to window
* Search button - search category
* Add button – add new category to databse
* Select and unselect button – select category to other operation and remove selection

----- brand items ------

Load item list to item table

Add new item to to database

Search item

* By name
* By company
* By product catogory
* By brand

Button wnat to add brand items

* Logo add button - open file chooser and select logo while registrating
* Load items button – laod all items to table
* Search button – search brand item
* Add button – registor new brand item to database
* Select buttton – send information to this window opend parent window

Brand class model

ProdcutCategory calss model

BrandItem class model

1. Employee management window (Peoples) (JFrame)

Add employee to database

Update employee details – (all details without name and sex)

Button wnats to add window

* Add button – add employee to database
* Update button – update employee details
* Poto add button – open file chooser for add image
* Address button – open address window for getiing address

Employee class model

1. GRN management window (GRN Stock windows) (Jframe)

-----new stock add -----

Add new stock to grn

Button want to add

* Add button - add stock to grn
* Brand item button - search and get brand item details to stock

----- GRN -----

Create new grn from buyed stock and add to database

Genarate full payment for grn

Genarate report for grn

Button wan to add

* Add button – genarate report add grn and add grn items

Stock model class

1. Delevery supplier management window (Peoples) (JFrame)

Register new delevery suppler for database

Search new delevery suppler

* By name
* By tel

Button wnat to add window

* Address button – get address from assress table
* Add button – register supplier for database
* Search button – search suppier from database
* Poto add button – open file chooser and selcte image of the suppiler
* Select button – select and sent details to parent winodow

Delever class model

1. Customer management window (Peoples) (Jframe)

Register new customer to database

Update customer details (tel and address only)

Search customer

* By name
* By tel

Button want to add

* Address button – get adderss from adress window
* Add button – add customer to database
* Update button – update customer tel and address
* Search button - search customer from address
* Poto add button – open file piker and add customer poto
* Select button - select and send customer details to parent window

Customer class model

1. Refound management window (Refund Window) (JFrame)

----- search invoice -------

Search invoice

* By id
* By qr

Load invoce item to table

Add returend invoice items to refound item list

Buttons wnat to add window

* Search – search invoice by id
* Qr enable and disable button – search invoce item by qr of invoice
* Add button – add invoce item to refoud item table

------add new refound note------

Search customer

* By customer window

Add refound note

Get item from that refound

Buttons want to add window

* Search customer - search customer by window
* Add button – genarate refound note and add that to database
* Get items button – add refound note to data base and open invoce window to get item and pass refound mode object

Refund class model

1. Customer loan payement window
2. Invoice management window (Invoive Window) (Jframe)

----- search stock ------

Load stock to table

Search stock

* By brand item
* By qr code
* By stock id

Button want to add

* Search button – search stock by stock id
* Qr search enable and disable button – search enable for qr
* Brand item – search by brand item

---- create payment ------

Load selected prices to payment table

Select invoice deposite and select price for that deposite

Select refund and select price

Select local payment and price

Buttons want add

* Deposite add button – add selected deposite price to payment table
* Refund add button – add slected refund price to payment table
* Local add button – add local pay term to payment table

Payment class model

------ invoice add to database -----

Search customer

By customer window

Add item to invoce items table

Genarate invoice

Button want to window

* Add item button – add selected item and item count to invoice item table
* Customer button – open customer window and search customer
* Genarate invoice button – genarate invoice and add invoice and invoice items to database

1. Cashier dashboard (Dashboard Windows) (Jframe)
2. Admin dashboard (Dashboard windows) (Jframe)
3. Login window
4. Server controle window (Utility Windows) (JDialog) (shasika)
5. Database connection control window (Utility windows) (JDialog) (sashika)
6. File choser window (Utility windows) (JDialog) (shashika)

Address window

Comany management window

Address object

Select button

File path string

Select button

File chooser window

Logo add button

Address button

Special note

* Team b dont need to add server and mobile app for barcode reading they use barcode reader .
* And they dont need to add filechooser for adding poto and logo to data base

responce

requasts

Desktop pos app

UI Thread

Run main ui in desktop app

Server Thread

Run server to connect mobile app

Mobile barcode reader app

Mobile app architeture (shashika)

Screens

Login screen

Cashier dashboard screen

Normal worker dashboard screen

Stock search screen

Invoice screen

url add screen for connecting to server

External libary used for project

1. In java desktop app

Flatlaf – theames in swing app

Jasper reporting libray – genarating reports

My sql connector - connect to mysql server

Zxing libaray – genarate qr and barcode

1. Flutter mobile app