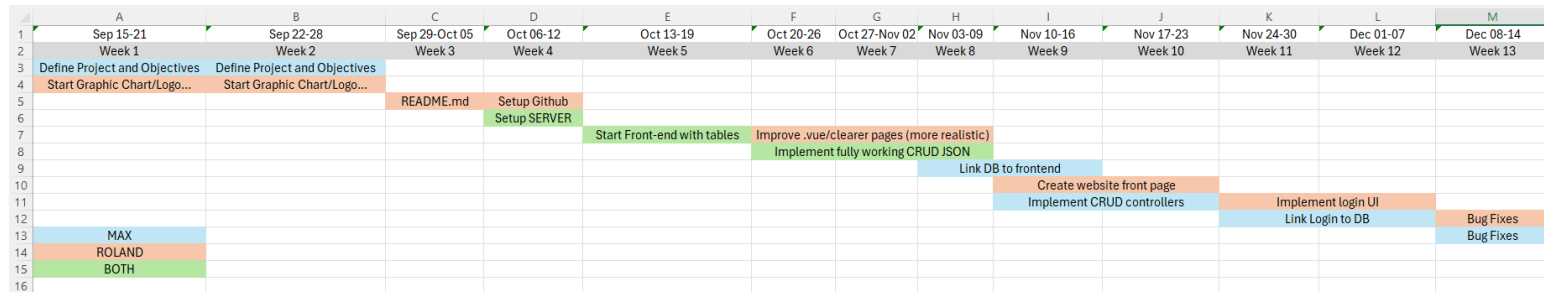# Los Santos Customs Web Project: 11 November Todo
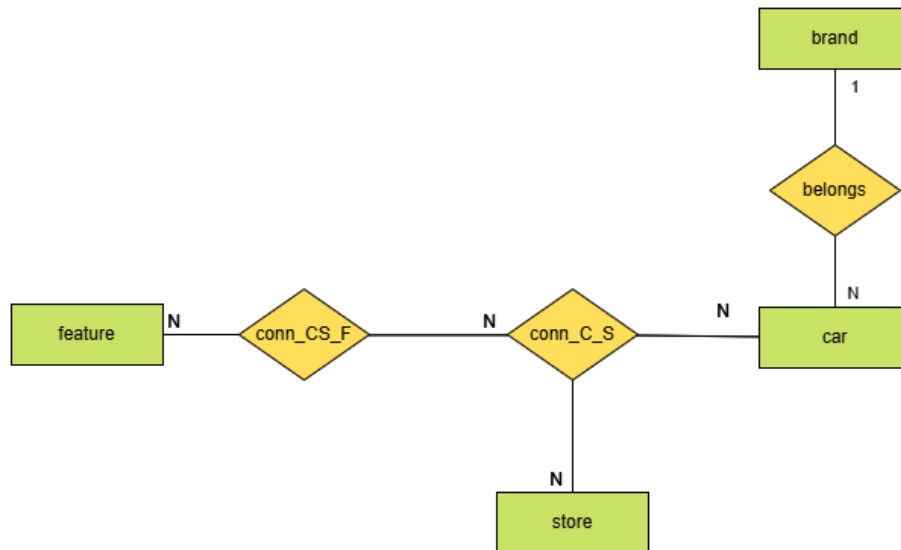
Build your future sports car

By Roland FONTANES and Max BORTOLOTTI
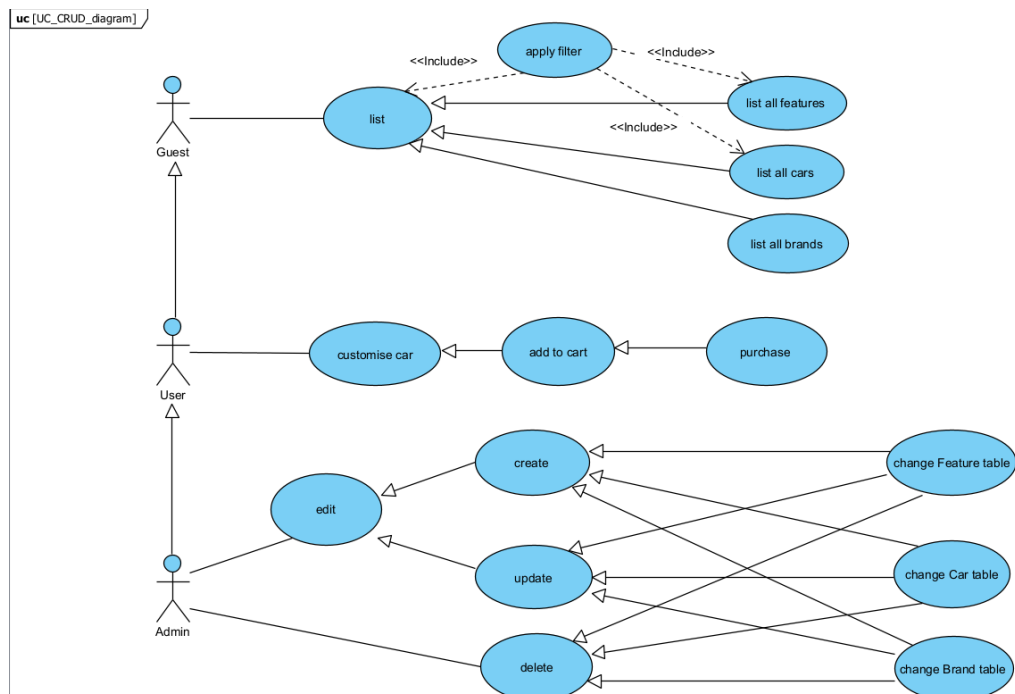
Gantt diagram (Gantt_diagram.xlsx):

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Sep 15-21	Sep 22-28	Sep 29-Oct 05	Oct 06-12	Oct 13-19	Oct 20-26	Oct 27-Nov 02	Nov 03-09	Nov 10-16	Nov 17-23	Nov 24-30	Dec 01-07	Dec 08-14
2	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
3	Define Project and Objectives	Define Project and Objectives											
4	Start Graphic Chart/Logo...	Start Graphic Chart/Logo...											
5			README.md	Setup Github									
6				Setup SERVER									
7					Start Front-end with tables	Improve .vue/clearer pages (more realistic)							
8						Implement fully working CRUD JSON							
9								Link DB to frontend					
10								Create website front page					
11								Implement CRUD controllers		Implement login UI			
12									Link Login to DB			Bug Fixes	
13	MAX												Bug Fixes
14	ROLAND												
15	BOTH												
16													

Entity Relation diagram (ER_diagramV2.vds) :

Use Case CRUD (UC_CRUD_diagram.vpp):

Use Case Login (UC_Login_diagram.vpp):

uc [Use Case Diagram2]

Guest

Create Account

User

Log in
extension points
ExtensionPoint

<<Include>> → View Past Orders

<<Include>> → Add to Cart

<<Include>> → Purchase

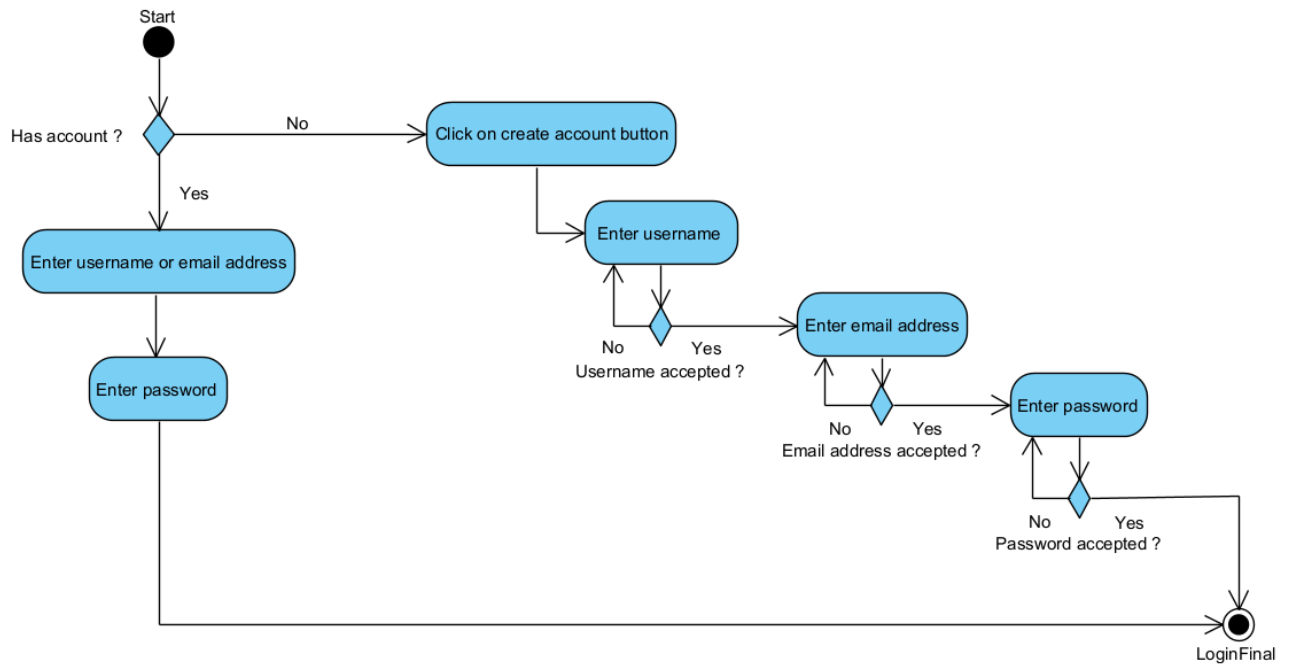<<Extend>>

Incorrect Password

<<Include>>

Check Log-ins

<<Include>>

Admin

Manage Accounts

Manage Permissions
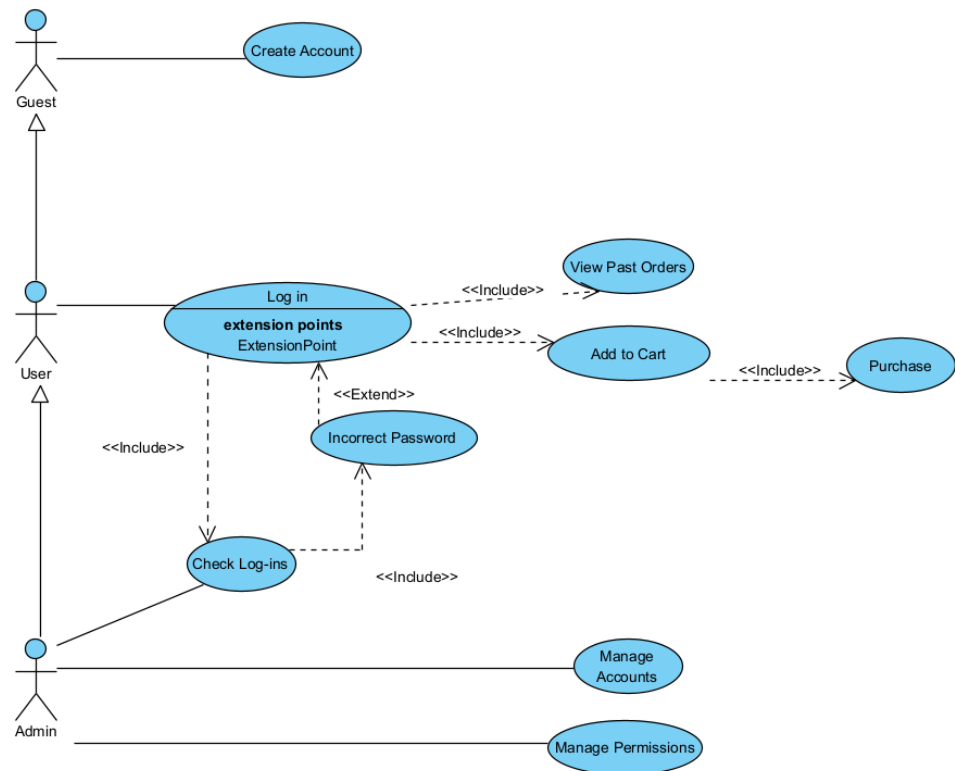
Activity diagram CustomizeAndBuy (Activity_CustomizeAndBuy_diagram.vpp):

act [Activity_CustomizeAndBuy_diagram]

Start

Choose car

Select features wanted on the car

Add to cart

Continue shopping ?
Yes — No

Go to checkout

Want to purchase all cars ?
Yes — No

Select all cars

Select specific cars

Confirm purchase

Want to view order ?
Yes — No

Go to orders tab

Want to see details of the order ?
No — Yes

View order details

CustomizeAndBuyFinal
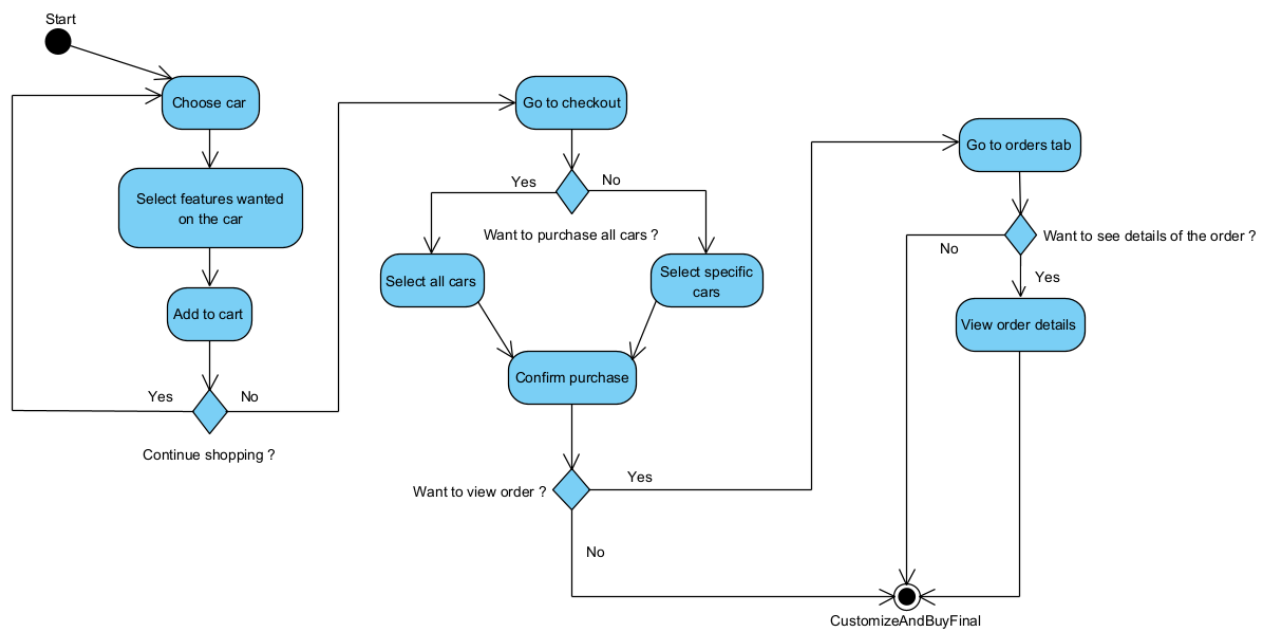
Activity diagram Login (Activity_Login_diagram.vpp):

act [Activity_Login_diagram]

Start

Has account ? —No→ Click on create account button —→ Enter username

Username accepted ? No / Yes → Enter email address

Email address accepted ? No / Yes → Enter password

Password accepted ? No / Yes →

Has account ? —Yes→ Enter username or email address → Enter password

LoginFinal

Sequence diagram Filter (Sequence_Filter_diagram.vpp):

sd [Sequence_Filter_diagram]

Guest | Web frontend | Controller | BL | Database

1: filter by Brand
1.1: filterByBrand()
1.1.1: filterByBrand()
1.1.1.1: SQL filter by Brand
1.1.1.2:
1.1.2:
1.2:
1.3:

2: sort by Price
2.1: sortByPrice()
2.1.1: sortByPrice()
2.1.1.1: SQL sort by Price
2.1.1.2:
2.1.2:
2.2:
2.3:
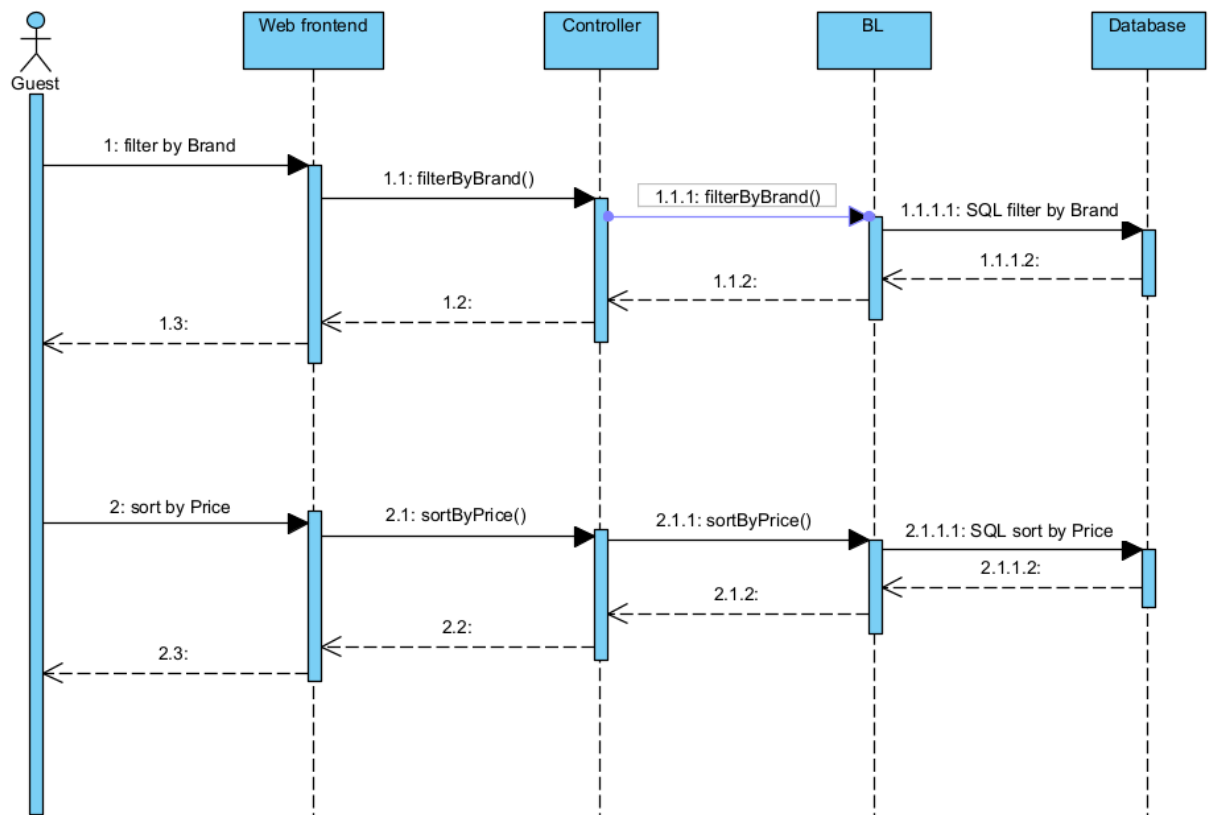
Sequence diagram Login (Sequence_Login_diagram.vpp):

sd [Sequence_Login_diagram]

	Web frontend	Controller	BL	Database

User

1: Login

1.1: Login()

1.1.1: userExists()

1.1.1.1: SQL does user exist

alt

[User Exists]

1.1.2:

1.1.1.2: user exists

[User does not Exist]

1.1.1.3.1:

1.1.1.3: user not found

1.1.1.3.1.1:

1.1.1.3.1.1.1: Login refused

1.1.1.3.1.2: checkPassword()

1.1.1.3.1.2.1: SQL check password

1.1.1.3.1.2.1.1: calculate password hash

1.1.1.3.1.2.1.2: calculated hash == actual hash ?

alt

[Correct password]

1.1.1.3.1.3:

1.1.1.3.1.2.1.3: correct password

1.1.1.3.1.4:

1.1.1.3.1.4.1: Login accepted

[Incorrect password]

1.1.1.3.1.5:

1.1.1.3.1.2.1.4.1:

1.1.1.3.1.2.1.4: incorrect password

1.1.1.3.1.5.1: Login refused

Wireframe Purchase (Wireframe_Purchase_diagram.vpp):

Browser

http://http://localhost:8081/#/purchase/list/all

Home   Purchase   [✕]   Checkout   Orders

Choose Your Model

Filter by Brand: All Brands ▼   Sort by: None   ▼

Car Model
Car base price
Configure

Car Model
Car base price
Configure

Car Model
Car base price
Configure

Car Model
Car base price
Configure
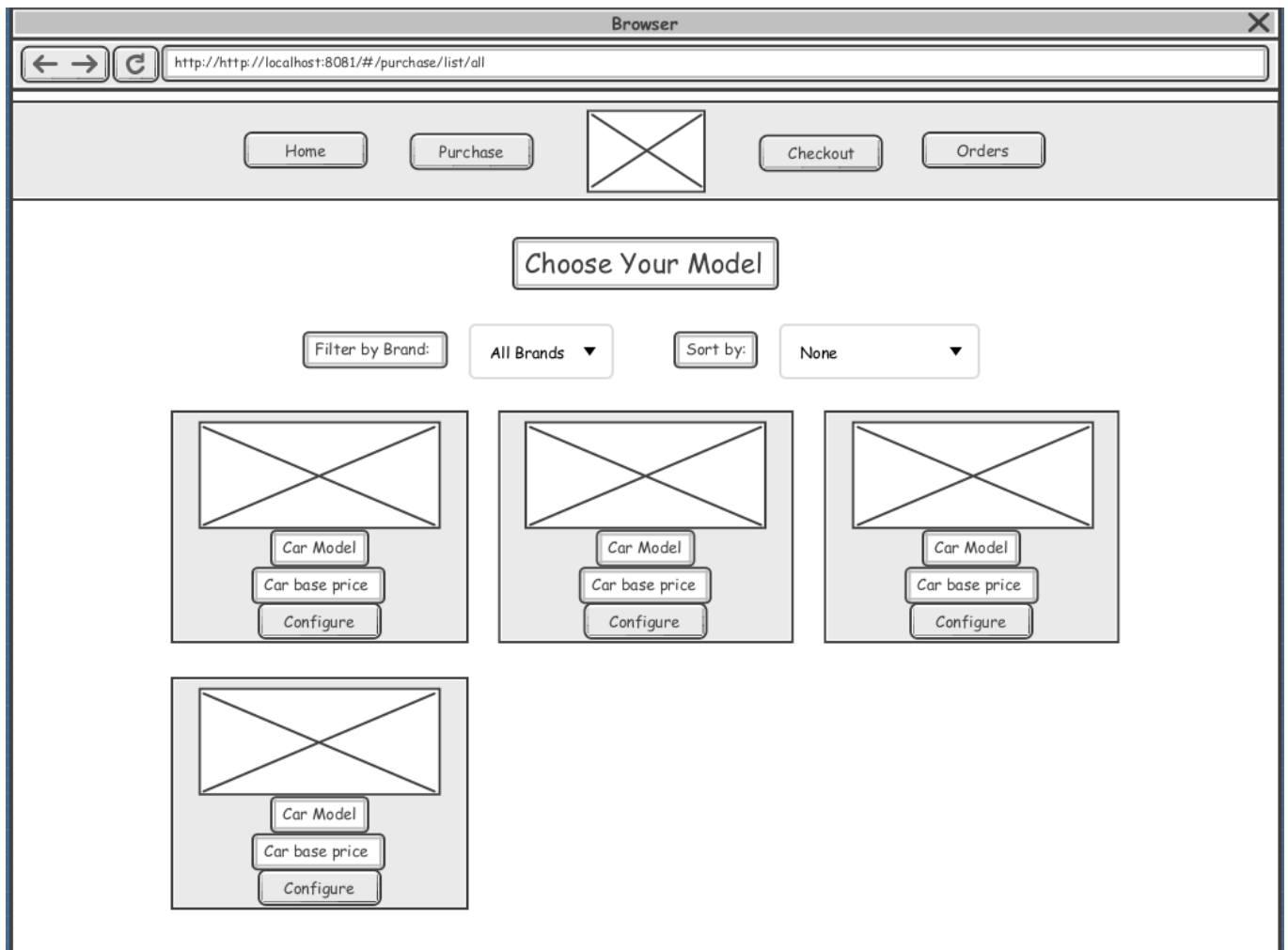
Wireframe Home (Wireframe_Home_diagram.vpp):