# apartments.io

Система для керування процесом оренди помешкань та опрацювання запитів орендарів.

Ролі: мешканець, менеджер, адміністратор

Role	Description
Мешканець	Мешканець може переглядати свою інформацію (термін дії оренди, список запитів, представлені рахунки та стан їхньої оплати). Він отримуватиме нотифікації про те що йому виставили рахунки і що його оплата була зарахована менеджером. Також він отримуватиме нотифікацію про те, що його оренда завершиться через 2 місяці.
Менеджер	Менеджер може створювати "апартаменти", закріплювати їх до мешканців, опрацьовувати запити мешканців, виставляти рахунки та редагувати їхній статус. Менеджер має мати звіти по оплаті рахунків мешканцями, їхні заборгування. Він може перевіряти наявність вільних апартаментів та таких, котрі будуть звільнені у найближчі 2 місяці. Виставлені рахунки мають мати статуси "очікують оплати", "оплачені", "протерміновані", "оплачені з запізненням".
Адміністратор	Адміністратор може створювати користувачів, деактивовувати користувачів. Він може додавати користувачів у підпорядкування певному менеджеру.

Controller Name	Action Name	Test Method Name	Description
UserPage	Index	IndexUserPageTest	Shows main page for user
	Apartment	ApartmentUserPage Test	Shows a page with a list of available apartments

	Rent	RentUserPageTest	Shows a page with a list of rented apartment	
	Request	RequestUserPageT est	Shows a page with a list of user request	
	Bill	BillUserPageTest	Shows a list of users bill	
	Notification	NotificationUserPag eTest	Shows a list of users notification	
	About	_	Shows about page for user	
	Contact	_	Shows contact page for user	
	Privacy	_	Shows privacy page for user	
ManagerPage	Index	IndexManagerPage Test	Shows main page for manager	
	Apartment	ApartmentManager PageTest	Shows apartments page for manager	
	Request	RequestManagerPa geTest	Shows request page for manager	
	Bill	BillManagerPageTe st	Shows bill page for manager	
AdminPage	Index	IndexAdminPageTe st	Shows main page for admin	
	User	UserAdminPageTes t	Shows user page for admin	
	Manager	ManagerAdminPage Test	Shows managers page for admin	
User	Create	CreateUserTest	Creates new user	
	Update	UpdateUserTest	Updates user by id	
	Delete	DeleteUserTest	Deletes user by id	
Request	Create	CreateRequestTest	Creates new request	
	Update	UpdateRequestTest	Updates request by id	
	Delete	DeleteRequestTest	Deletes request by id	

Bill	Create	CreateBillTest	Creates new bill
	Update	UpdateBillTest	Updates bill by id
Apartment	Create	CreateApartmentTe st	Creates new apartment
	Update	UpdateApartmentTe st	Updates apartment by id
	Delete	DeleteApartmentTes t	Deletes apartment by id

### **Resident Management**

Nº	Use Case	Role	Controller	Description	Action Method	Test Method
RM1	_	Resident	UserPage	Shows main page for user	Index()	IndexTest()
RM2	Show list of apartments			Shows a page with a list of available apartments	Apartment()	ApartmentTest()
RM3	Show apartments which are yours			Shows a page with a list of rented apartment	Rent()	RentTest()
RM4	Show list of user requests			Shows a page with a list of user request	Request()	RequestTest()
RM5	Show list of user bills			Shows a list of users bill	Bill()	BillTest()
RM6	Show list of user notifications			Shows a list of users notification	Notification()	NotificationTest()
RM7	_			Shows about page for user	About()	_
RM8	_			Shows contact page for user	Contact()	_
RM9	_			Shows privacy page for user	Privacy()	_

RM10	Delete himself	User	Deletes user by id	Delete()	DeleteUserTest()
RM11	Create request	Request	Creates new request	Create()	CreateRequestTe st()
RM12	Delete request		Deletes request by id	Delete()	DeleteRequestTe st()

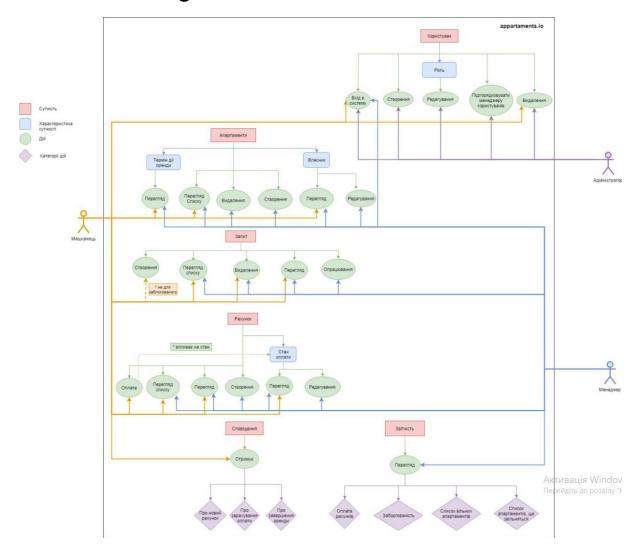
## **Manager Management**

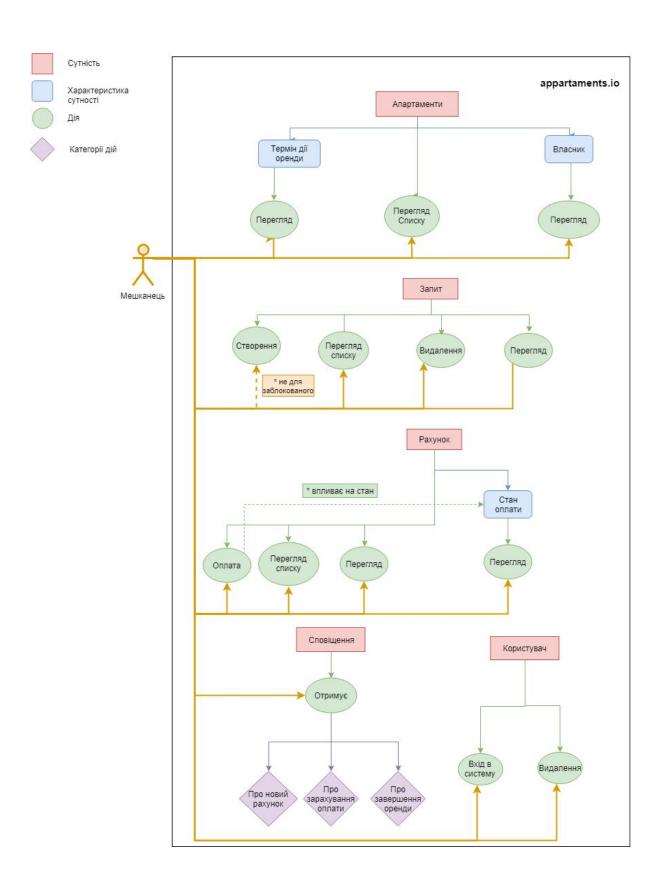
Nº	Use Case	Role	Controller	Description	Action Method	Test Method
MM1	_	Manager	ManagerPage	Shows main page for manager	Index()	IndexTest()
MM2	Show list of apartments			Shows apartments page for manager	Apartment()	ApartmentTest()
ММ3	Show list of user requests			Shows request page for manager	Request()	RequestTest()
MM4	Show list of user bills			Shows bill page for manager	Bill()	BillTest()
MM5	Process request		Request	Updates request by id	Update()	UpdateRequestTe st()
MM6	Delete request			Deletes request by id	Delete()	DeleteRequestTe st()
MM7	Create request		Bill	Creates new bill	Create()	CreateBillTest()
MM8	Change bill status			Updates bill by id	Update()	UpdateBillTest()
ММ9	Create apartment		Apartment	Creates new apartment	Create()	CreateApartment Test()
MM10	Set apartment owner			Updates apartment by id	Update()	UpdateApartment Test()
MM11	Delete apartment			Deletes apartment by id	Delete()	DeleteApartmentT est()

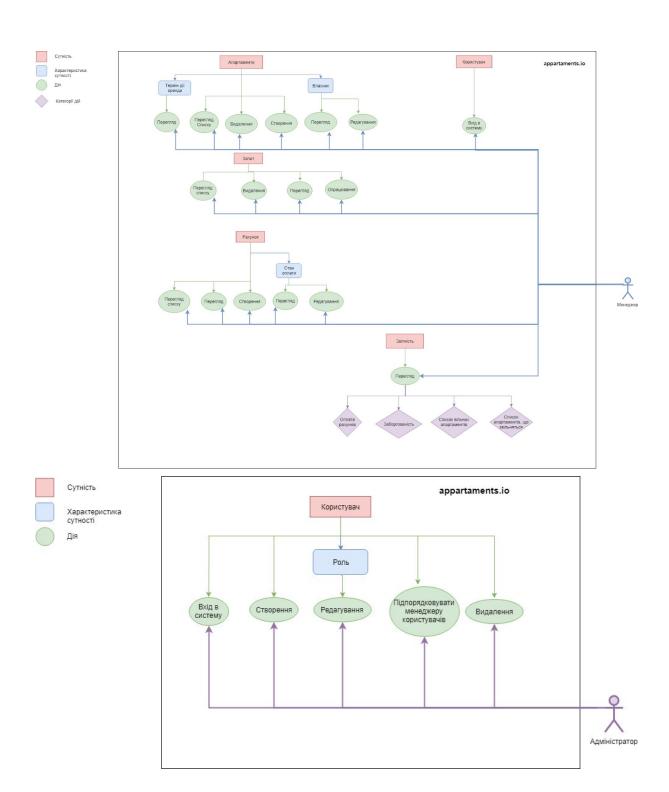
### **Admin Management**

Nº	Use Case	Role	Controller	Description	Action Method	Test Method
AM1	_	Admin	AdminPage	Shows main (user) page for admin	Index()	IndexTest()
AM3	Create user		User	Creates new user	Create()	CreateUserTest()
AM4	Update user			Updates user by id	Update()	UpdateUserTest()
AM5	Delete user			Deletes user by id	Delete()	DeleteUserTest()

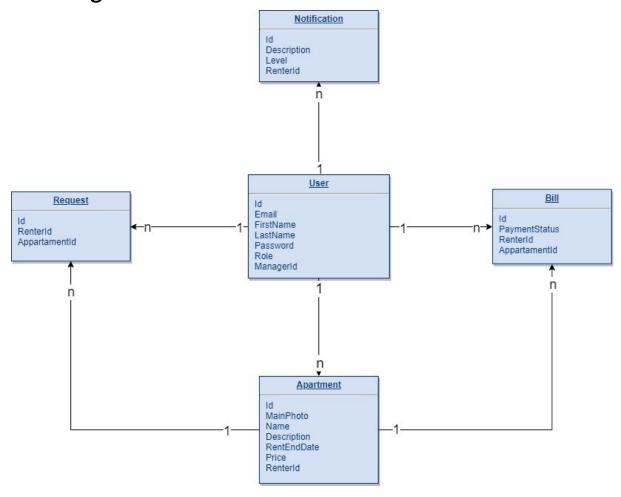
## Use Case diagram



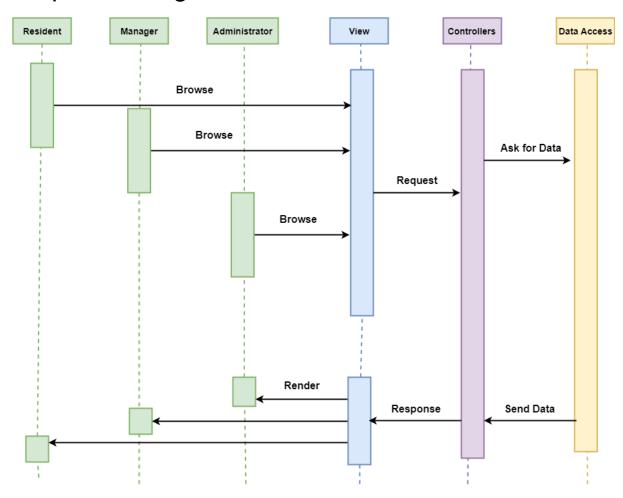




## ER diagram

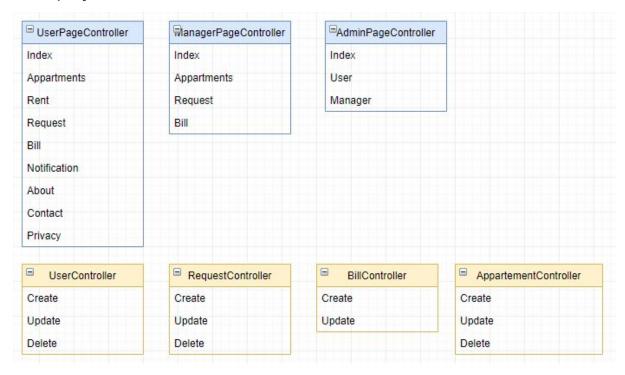


## Sequence diagram

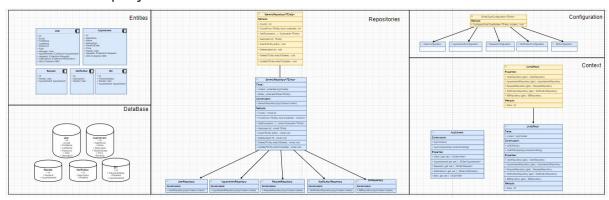


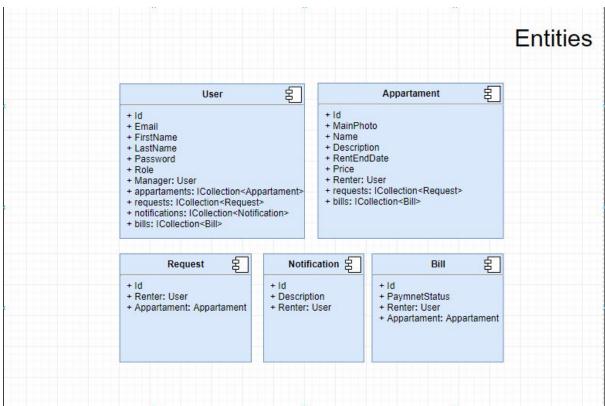
### Domain models diagram

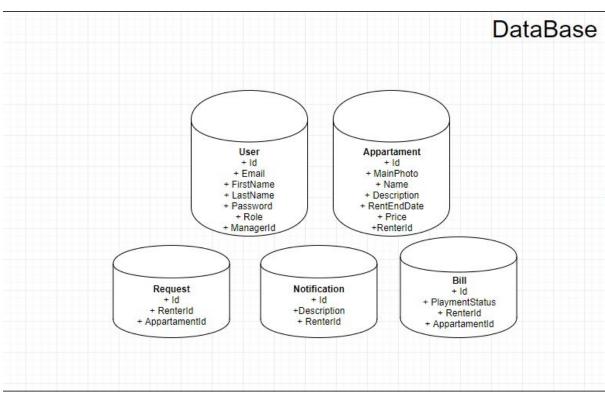
### Main project

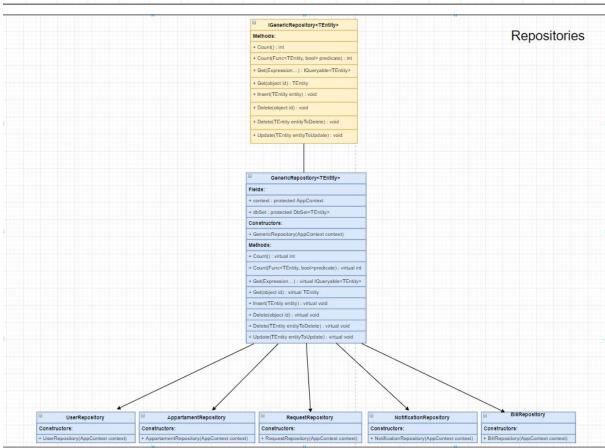


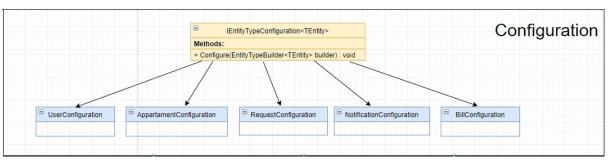
### Data access project:

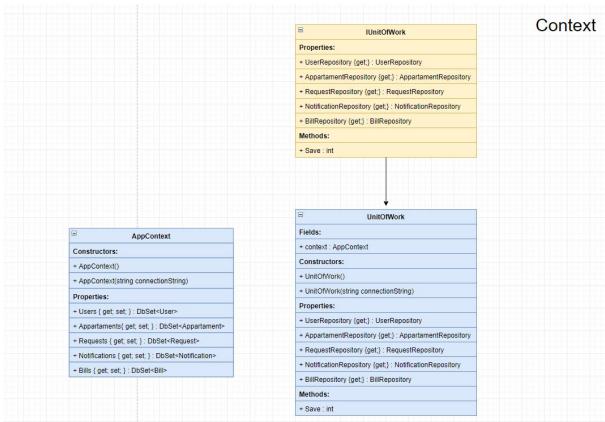




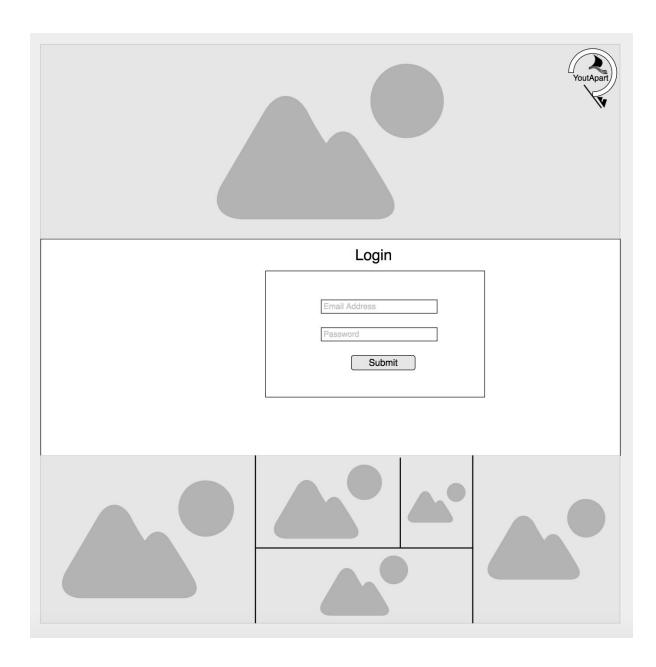


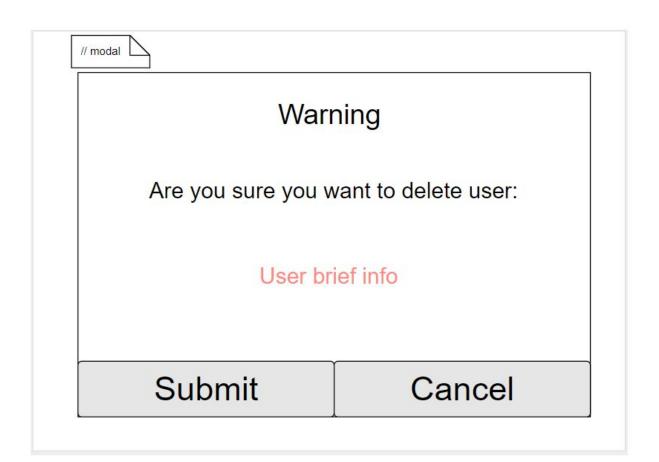




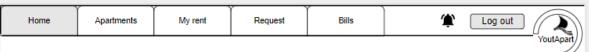


### Mokups





#### Resident



### Heading



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#### Our service



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#### Review



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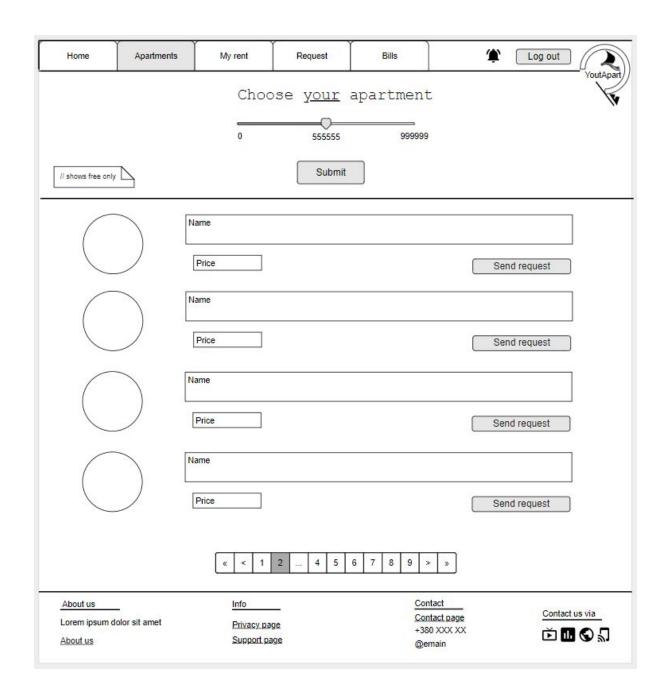
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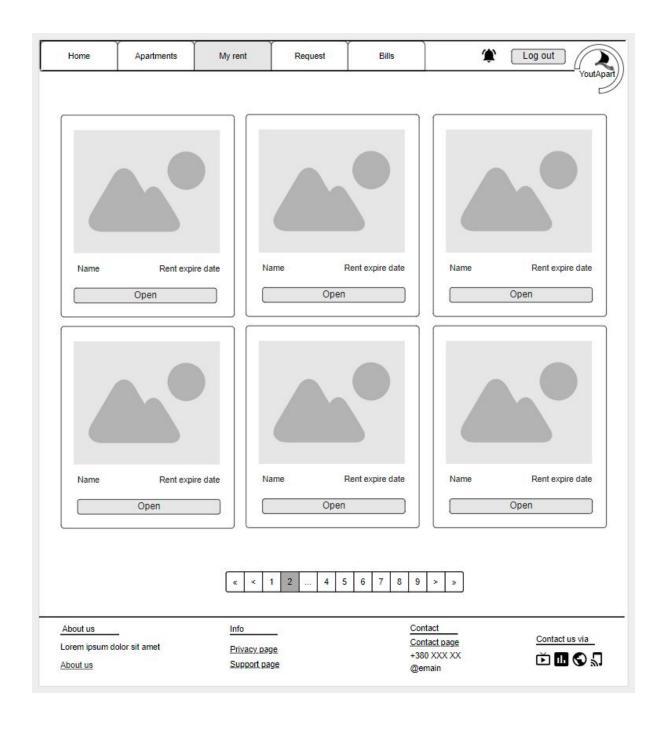
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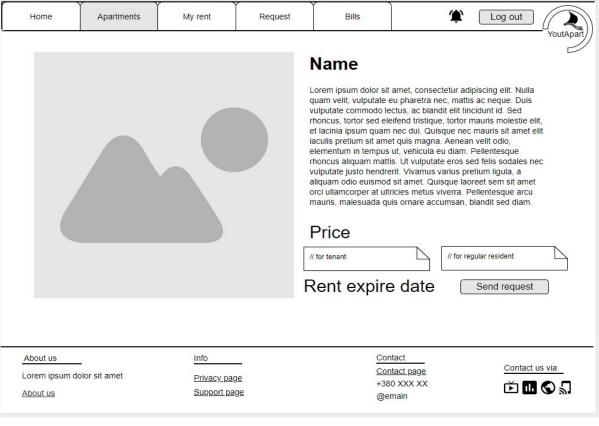


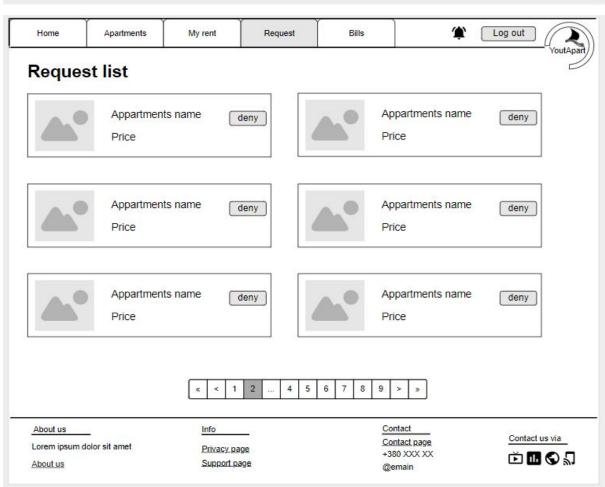


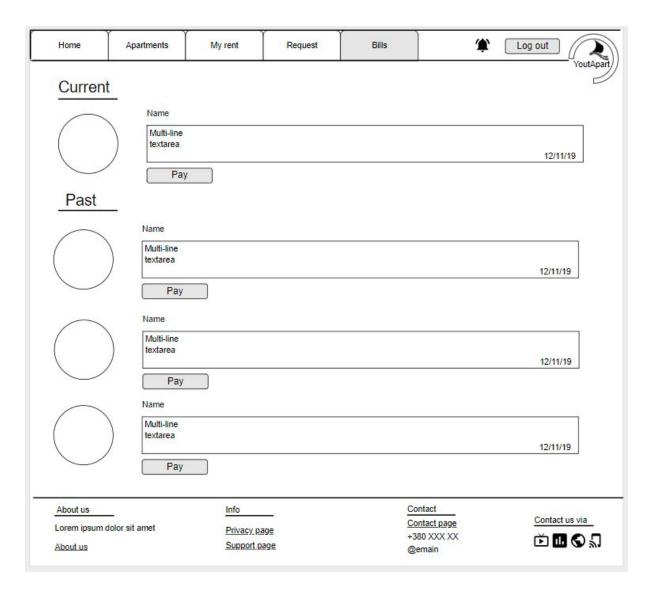














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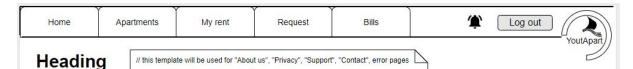
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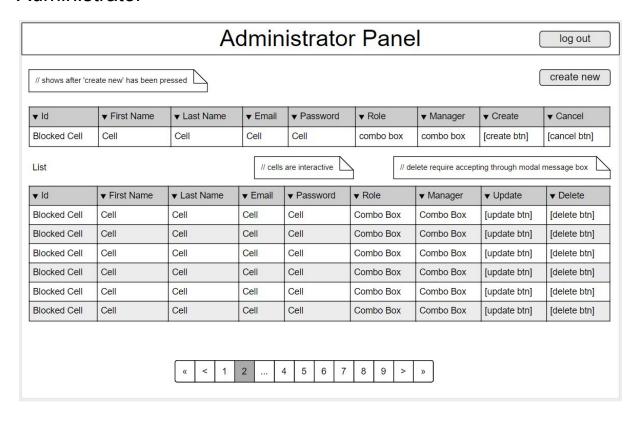
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