CRC Card for Classes:

InputLayout			
	RESPOBSIBILITIES		COLLABORATOR
i. Ha	ave user input housing related instance variables such as	i.	Location
1.	Int Room units	ii.	RegressionModel
2.	String Room type: apartment or house or lone private room	iii.	MapLayer
3.	Boolean Whether contain bathrooms/bathrooms		
4.	Boolean Whether contain WIFI/TV		
5.	String detailed address		
6.	Int housing price		
ii. Ot	her responsibilities will include		
1.	Ask users for the above information		•

	Location		
	RESPOBSIBILITIES		COLLABORATOR
i.	Have detailed Boston address (String)	i.	InputLayout
ii.	Calculate distance to center using address to find distance to Boston		
key	key city attractions		
iii.	Find its neighborhood using user given address		

internalReturnCalculator			
	RESPOBSIBILITIES		COLLABORATOR
i.	Have estimated rental price (int)	i.	InputLayout
ii.	Have housing price	ii.	RegressionModel
iii.	Have estimated interest rate	iii.	OutputLayer
iv.	Calculate estimated rental unit cash flow		
٧.	Calculate estimated IRR (Internal rate of return) using estimated		
ren	tal unit cash flow and estimated interest rate		

RegressionModel		
RESPOBSIBILITIES		COLLABORATOR
i. Have pre-train regression model parameters (ArrayList)	i.	InputLayout
ii. Also have other instance variables such as:	ii.	InternalReturnCalculato
1. Int Room units	iii.	OutputLayer
2. String Room type: apartment or house or lone private room		
3. Boolean Whether contain bathrooms/bathrooms		
4. Boolean Whether contain WIFI/TV		
5. Int Distance to City Center		
6. String neighborhood		
iii. Compute regression model predicted rental price		

	MapLayer				
	RESPOBSIBILITIES	COLLABORATOR			
i.	Have detailed Boston address (String)	i. InputLayout			
ii.	Have Boston map (Map rendering in ArrayList of ArrayList)				
ii.	Have Boston avg rental price by neighborhood				
iii.	Display Boston map with pin-point to the user's house; also include				
avg	rental price for each neighborhood				

	OutputLayer			
	RESPOBSIBILITIES		COLLABORATOR	
i.	Have estimated rental price (int)	i.	RegressionModel	
ii.	Have estimated IRR (float)	ii.	internalReturnCalculator	
iii.	Display both estimated rental price and IRR to user to let them			
visı	ualize whehter the given unit is a good investment			