



Department of Electrical and Computer Engineering

Model Driven Software Engineering

(COEN 6312)

Deliverable 4

Team – Byte me

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Seller:

In order to post adds and accept offers on those add the seller should be registered in the system. Once registered the seller can also edit his property if he wants to make additional changes. Once logged in to his main page he will be given all the options to post edit or accept an offer on a add that was already posted.

State Diagram

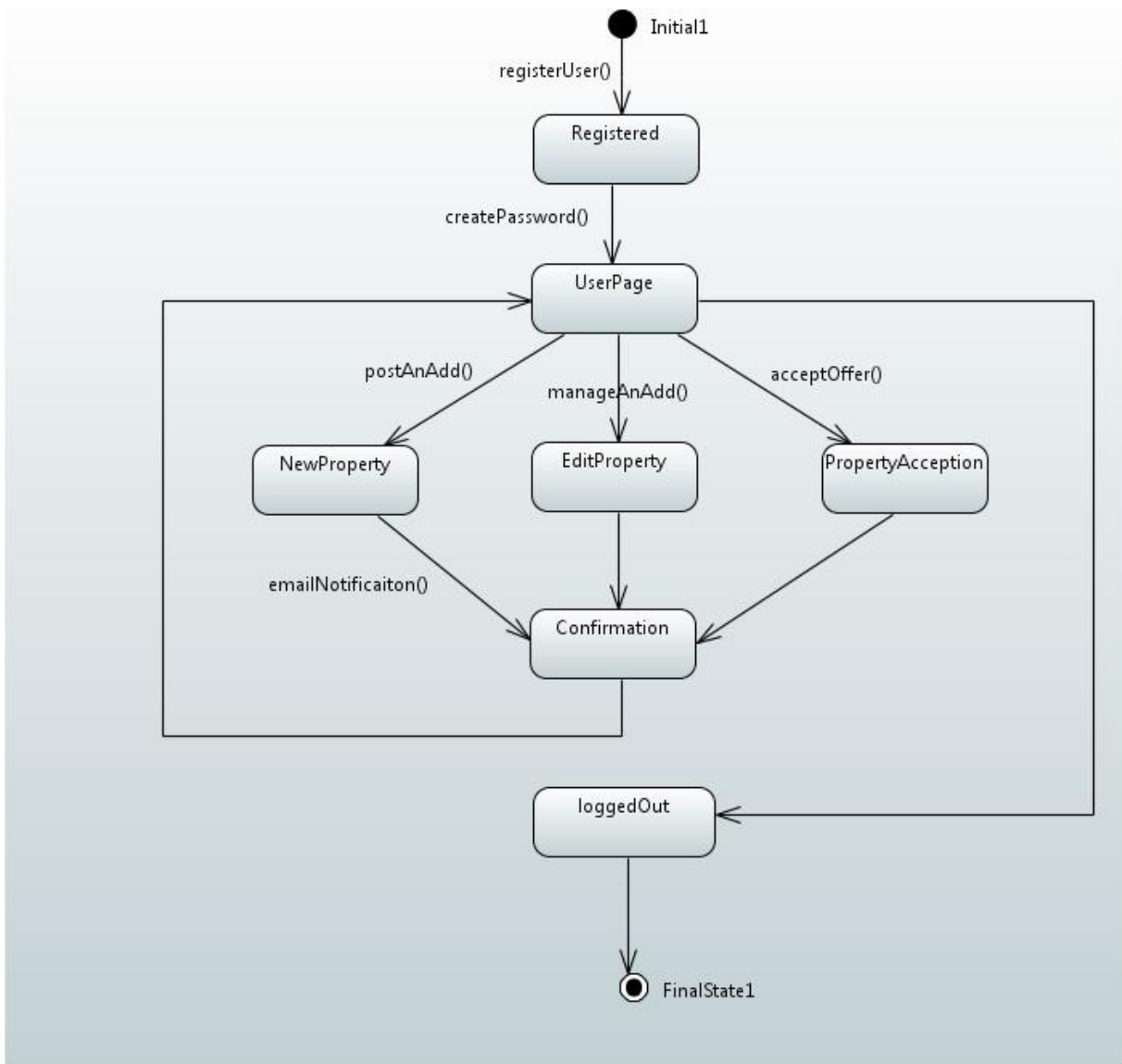


Fig.1. - State Diagram for Seller

Operations for Seller

Start

If user id = userid && password=password

Then

login()

else register()

register() //registering the new user

enter the first name;

enter the last name;

enter the mail id;

enter password;

enter retype password;

enter dateofbirth;

enter ph number;

If(loggedin && newProperty is selected)

postAnAdd() //buyer wants to post a new property

enter the property type;

enter property size;

enter property region;

enter property price;

enter date;

If(loggedin && editProperty is selected)

manageAnAdd() // buyer wants to edit the existing property

edit the property type;

edit property size;

edit property region;

edit property price;

enter date;

If(loggedin && Acceptanoffer is selected)

acceptOffer() // buyer wants to accept an offer

accept email notification;

displayoffer.show();

else

logout();

End;

Buyer

A buyer goes through the same process of registration. Buyer can search for property based on different criteria's such as date type size and price. Once a property is selected he can make an offer to the seller of the property.

State Diagram

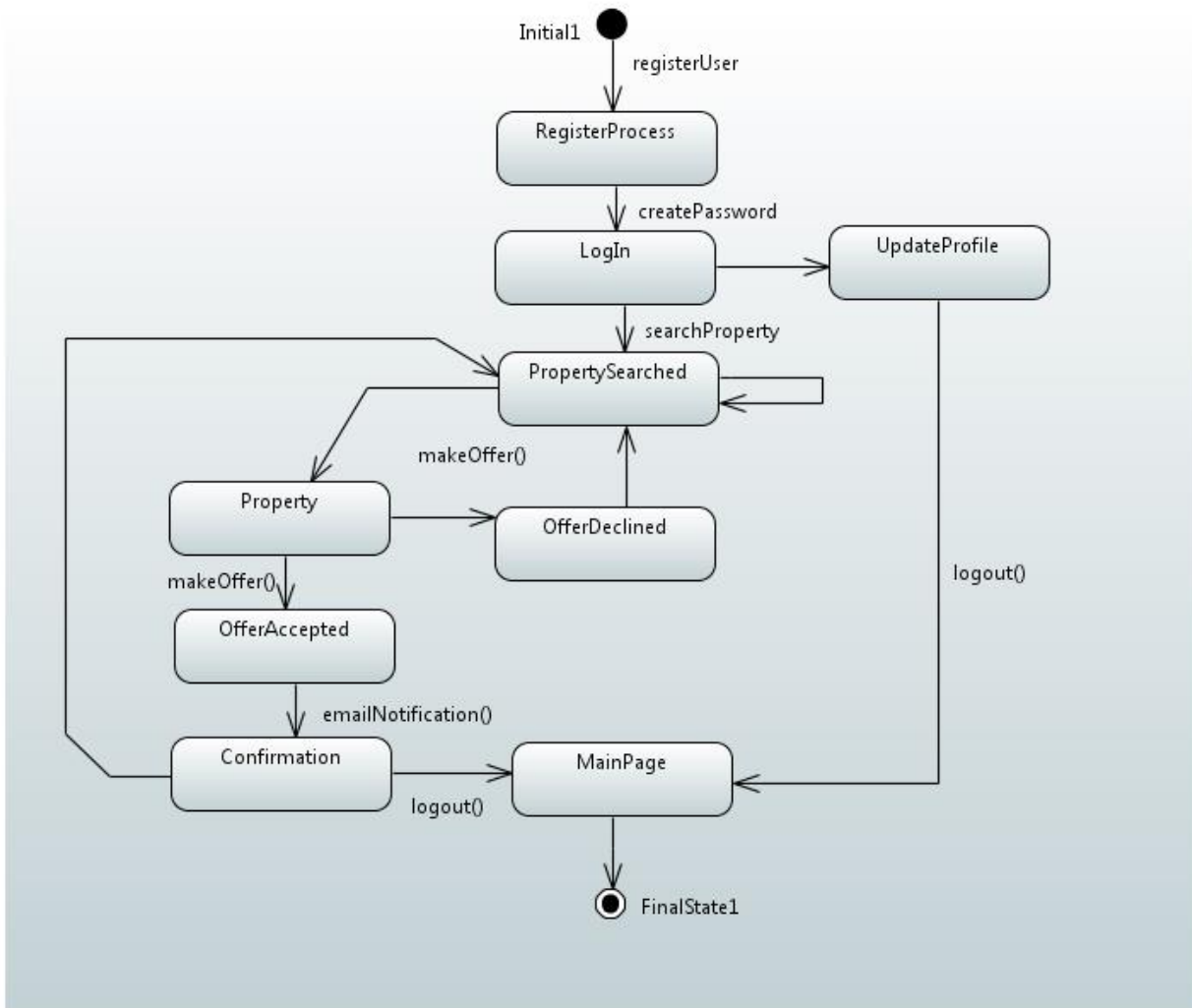


Fig.2.- State Diagram for Buyer

Operations for Buyer

Start

If user id = userid && password=password

Then

login()

else register()

register() //registering the new user

enter the first name;

enter the last name;

enter the mail id;

enter password;

enter retype password;

enter dateofbirth;

enter ph number;

If(loggedin && propertySearch is selected)

propertySearch()

If(loggedin())&& change in profile selected)

Update()

propertySearch() //search for the property

select propertyPrice || propertyType || propertySize || propertyDate

if(propertyPrice = propertyPrice input || propertyType = propertyType input || propertySize = propertySize input)

then display()

makeAnOffer()

else

search for the other Property

```
update()      //user is updating the profile
```

user changes the profile details and updates them and new details will be reflected in the profile.

```
End;
```


Property

Once seller post an ad the property is available to all users. Any user can search the property based on its size, type, date posted and price once the user selects the property it goes to make an offer state seller can accept an offer or reject an offer, if offer is accepted then confirmation is send to the buyer and seller and property is not available any more. If offer is rejected, then property is still available to make an offer.

State Diagram

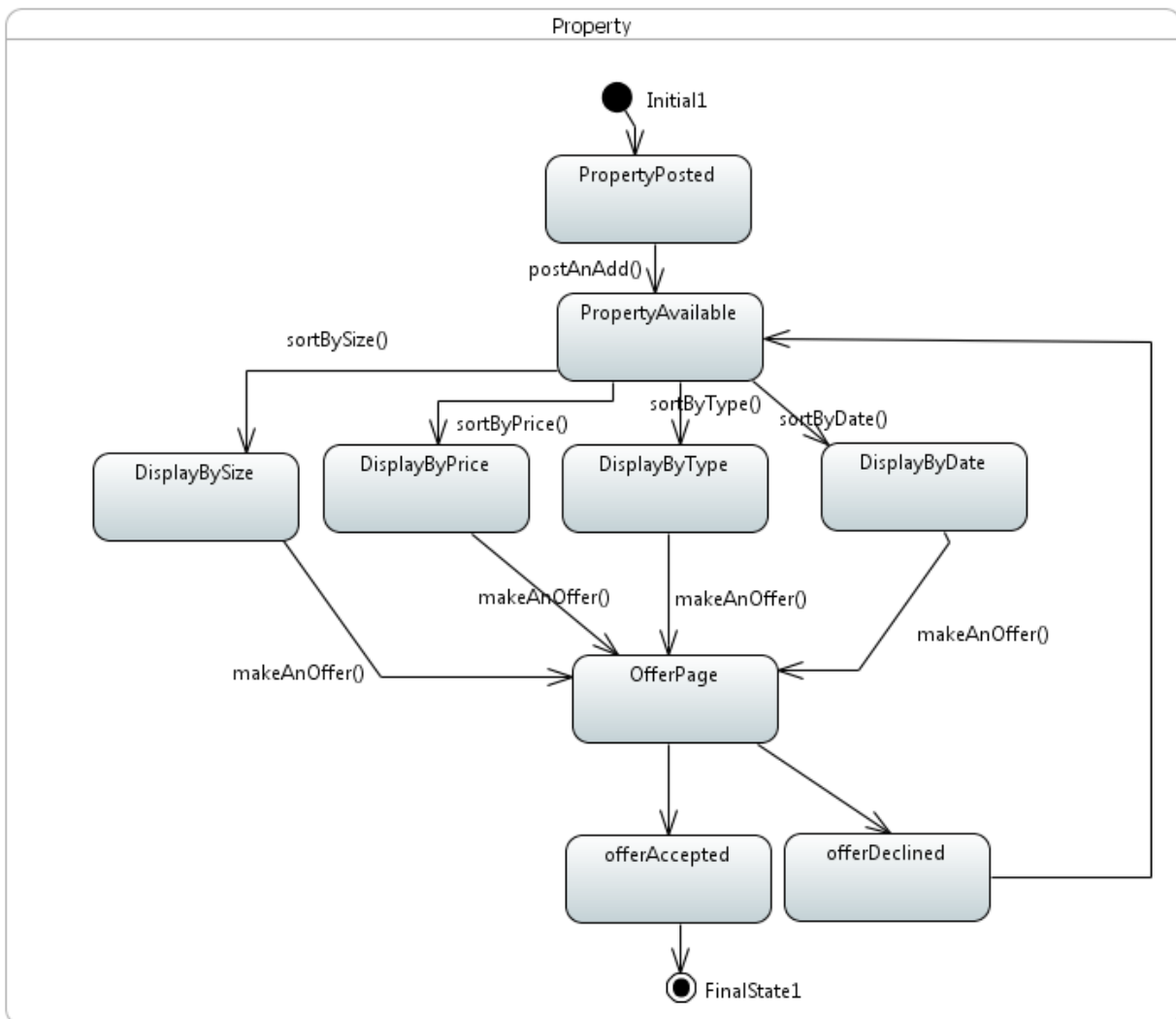


Fig.3. - State Diagram for Property

Operations for Property

Start

```
postAnAdd()          // property is posted and available
if(property= available && displayBySize is selected)
sortBySize()         // sorting property from low to high or high to low by size
if(property= available && displayByPrice is selected)
sortByPrice()        // sorting property from low to high or high to low by price
if(property= available && displayByType is selected)
sortByType()         // search property according to type given by the buyer
if(property= available && displayByDate is selected)
sortByDate()         // sorting property by date posted
then
makeAnOffer()        // the buyer makes an offer on the property
if(offerAccepted)
emailnotification()  // confirmation about the property
else (offerRejected)
propertyAvailable()  // It redirects to the main page
```

End;