

# [Free report about relationship between classes](https://assignbuster.com/free-report-about-relationship-between-classes/)

[](https://assignbuster.com/)[Life](https://assignbuster.com/essay-subjects/life/), [Relationships](https://assignbuster.com/essay-subjects/life/relationships/)

MainMenu class has a zero- to- one, i. e. direct relationship to MagazineMenu and SubscriptionMenu classes.

## MagazinesMenu also has zero- to- one relationship to SubscriptionMenu Class.

MagazinesMenu and SubscriptionMenu class has a zero-to-many relationship to Magazine and Subscription class as subscription can be for any number of magazines, so it has zero-to-many relationship.

## Subscription class is directly linked to the Magazine class as it has zero-to-one relationship between them.

Classes   
- FileHandler   
- Fields   
- outByteStream – FileOutputStream   
- OOStream – ObjectOutputStream   
- inByteStream – FileInputStream   
- OIStream – ObjectInputStream   
- aFile – File   
- Methods   
- FileHandler()   
- getPath()   
- isFileEmpty()   
- saveToFile(Subscription[])   
- loadFromFile()   
- Description   
- This class is created to get the file and check if the file is empty or not. If not then save the subscription to the file   
- Magazine   
- Fields   
- serialVersionUID – long   
- category – string   
- price – double   
- Methods   
- Magazine(string, string, double)   
- getCategory()   
- setCategory(string)   
- getTitle()   
- setTitle(string)   
- getPrice()   
- setPrice(double)   
- toString()   
- MagInfo()   
- compareTo(Magazine)   
- Description   
- This is an info class for object “ Magazine”. This class has all the information related to the magazine like getting the magazine category, price, etc   
- Subscription   
- Fields   
- serialVersionUID – long   
- expirationMonth – int   
- expirationYear – int   
- cardNumber – long   
- cvc – int   
- country – string   
- Methods   
- SubscriptionMenu(List magazines, List subscriptions)   
- getOption()   
- addSubscription(Magazine, string, string, string, string, string, string, string)   
- addSubscription(Magazine)   
- modifySubscription()   
- deleteSubscription()   
- findSubscription(Subscription)   
- insertSubscription(Subscription)   
- Description   
- This class is created for all the subscription information of a user like name of subscription, expiration of subscription, name and address of user or subscriber etc.   
- InvalidCardNumberException   
- Fields   
- serialVersionUID – long   
- Methods   
- InvalidCardNumberException(string)   
- Description   
- This class is created to handle the invalid card number error.   
- InvalidCVCException   
- Fields   
- serialVersionUID – long   
- Methods   
- InvalidCVCException(string)   
- Description   
- This class is created to handle the invalid CVC error.   
- InvalidExpirationException   
- Fields   
- serialVersionUID – long   
- Description   
- This class is created to handle the invalid expiration error.   
- Methods   
- InvalidExpirationException(string)   
- InvalidNameException   
- Fields   
- serialVersionUID – long   
- Methods   
- InvalidNameException(string)   
- Description   
- This class is created to handle the invalid name error.   
- MagazinesMenu   
- Fields   
- myIcon – icon   
- addIcons – icon[]   
- lastAdIcon – int   
- rng – Random   
- dropDownList -- JComboBox   
- message – object[]   
- Methods   
- MagazinesMenu(List , List )   
- getOption()   
- browse()   
- advertisement()   
- Description   
- This class is created to handle the menu of magazine.   
- MainMenu   
- Fields   
- myIcon – Icon   
- dropDownList -- JComboBox   
- message – object[]   
- Methods   
- MainMenu(MagazinesMenu, SubscriptionMenu)   
- getOption()   
- Description   
- This class is created to handle the main menu of the application.   
- SubscriptionMenu   
- Fields   
- myIcon – Icon   
- dropDownList -- JComboBox   
- dropDownMagazines -- JComboBox   
- message – object[]   
- Methods   
- SubscriptionMenu(List , List )   
- getOption()   
- addSubscription(Magazine, string, string, string, string, string, string, string)   
- addSubscription(Magazine)   
- modifySubscription()   
- deleteSubscription()   
- findSubscription(Subscription)   
- insertSubscription(Subscription)   
- Description   
- This class handles the subscription menu and contains methods to add, modify, delete and find subscription.   
- MagazineSubscriptionApp   
- Methods   
- MagazineSubscriptionApp()   
- Main(String[])   
- Description   
- This is the main class created for this application which will run every time the application is started. This is like a console application.