

# Class UserFileManager

java.lang.Object [↗](#)  
UserFileManager

```
public class UserFileManager
extends Object ↗
```

Write a description of User here.

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## Field Summary

### Fields

Modifier and Type	Field	Description
(package private) int	<code>idx</code>	Currently logged user's idx
(package private) static <a href="#">Scanner</a> <a href="#">↗</a> <code>sc</code>		
(package private) <a href="#">List</a> <a href="#">↗</a> <User>	<code>users</code>	Main list of users.

## Constructor Summary

### Constructors

Constructor	Description
<code>UserFileManager()</code>	To load users to the list.

## Method Summary

All Methods	Static Methods	Instance Methods	Concrete Methods
Modifier and Type	Method	Description	
void	<code>addBookToList(String <a href="#">↗</a> ID, Double <a href="#">↗</a> amount)</code>	To add books to the user's list	
void	<code>addMoney(double amt)</code>	Adding money to the wallet	
void	<code>deductMoney(double amt)</code>	To decuct money form the user's wallet when ever he/she purchases a book.	

<code>List&lt;User&gt;</code>	<code>loadUsers()</code>	To load users from the csv file to the List
boolean	<code>login(String email, String password)</code>	To authenticate the user
void	<code>logout()</code>	To loge out the user making index value -(i.e user is not logged in)
static void	<code>main(String[] args)</code>	To test all the functions running properly
boolean	<code>newUser(String name, String email, String password)</code>	To add new user to the users' list
void	<code>removeBookFromList(String ID)</code>	To remove books from the user's list
boolean	<code>removeUser(String email)</code>	To remove user from the user list.
static void	<code>saveUsers(List&lt;User&gt; users)</code>	To save list of users to csv file.
protected void	<code>showAllUsers()</code>	function to show all users

**Methods inherited from class `java.lang.Object`**
  
`clone`, `equals`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Field Details

<b>sc</b>
static <code>Scanner</code> sc
<b>users</b>
<code>List&lt;User&gt;</code> users Main list of users.
<b>idx</b>
int idx Currently logged user's idx

Constructor Details

## UserFileManager

UserFileManager()

To load users to the list.

## Method Details

### main

```
public static void main(String[] args)
```

To test all the functions running properly

**Parameters:**

args -

### logout

```
public void logout()
```

To log out the user making index value -(i.e user is not logged in)

### addBookToList

```
public void addBookToList(String ID,  
                           Double amount)
```

To add books to the user's list

**Parameters:**

ID -

### removeBookFromList

```
public void removeBookFromList(String ID)
```

To remove books from the user's list

**Parameters:**

ID -

### addMoney

```
public void addMoney(double amt)
```

Adding money to the wallet

**Parameters:**

amt -

## deductMoney

```
public void deductMoney(double amt)
```

To deduct money from the user's wallet whenever he/she purchases a book.

**Parameters:**

amt -

## saveUsers

```
public static void saveUsers(List<User> users)
```

To save list of users to csv file.

**Parameters:**

List -

## loadUsers

```
public List<User> loadUsers()
```

To load users from the csv file to the List

**Returns:**

users' list

## login

```
public boolean login(String email,  
                     String password)
```

To authenticate the user

**Parameters:**

email -

password -

**Returns:**

true if the user is found or else false.

## removeUser

```
public boolean removeUser(String email)
```

To remove user from the user list.

**Parameters:**

email -

**Returns:**

false if user not found else true if users is removed

## newUser

```
public boolean newUser(String name,  
                       String email,  
                       String password)
```

To add new user to the users' list

**Parameters:**

name -

email -

password -

**Returns:**

returns false if user email ID is already their

## showAllUsers

```
protected void showAllUsers()
```

function to show all users