

User

```
private final String username;
private String password;
private String email;
private final UUID uuid;
private int phoneNumber;
private String address;
private final HashMap<UUID, Integer> cart;
private int totalPriceOfCart;
private final TreeSet<UUID> lastSeen;
private double wallet = 0;
private final ArrayList<String> notification;
private final ArrayList<String> oldNotification;
private final HashSet<UUID> orders;
private final HashSet<UUID> favorite;
private boolean subscription=false;
private boolean banned=false;
private boolean waitForVerify;
private Pair<Double,Double> location;
private int shippingCost=10000;
private int userXp=0;

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public User(String username, String password, int phoneNumber, String
address,String email)
private String HashPassword(String passwordToHash)
public String getEmail()
public void setEmail(String email)
public void setBanned(boolean banned)
public boolean isBanned()
public boolean setPassword(String password , String oldPassword)
public boolean checkPassword(String password)
public TreeSet<UUID> getLastSeen()
public void addLastSeen(UUID lastSeen)
public String getUsername()
public UUID getUuid()
public int getPhoneNumber()
public void setPhoneNumber(int phoneNumber)
public String getAddress()
public void setAddress(String address)
public int getUserXp()
public void addUserXp(int userXp)
public void removeUserXp(int xp)
public boolean getWait()
public void addTotalPrice(double totalPrice)
public int cartExist(UUID product)
public HashMap<UUID,Integer> getCart()
public void addCart(UUID product)
public void reduceCart(UUID product)
public void removeCart(UUID product)
public double getWallet()
public void addWallet(double wallet)
public String getNotification()
public void addNotification(String notification)
public ArrayList<String> getOldNotification()
public HashSet<UUID> getOrders()
```

```
public void removeOrder(UUID order)
public boolean favoriteExist(UUID product)
public HashSet<UUID> getFavorite()
public void addFavorite(UUID product)
public void removeFavorite(UUID product)
public boolean getSubscription()
public void setSubscription(boolean subscription)
public int getShippingCost()
public String isOrderOK()
public boolean isHasLocation()
public int getTotalPriceOrder()
public int getTotalPriceOfCart()
public HashMap<UUID,Integer> order()
public void verifyOrder(Order order)
public void cancelOrder()
private void calShippingCost()
private void findLocation()
public String toString()
```