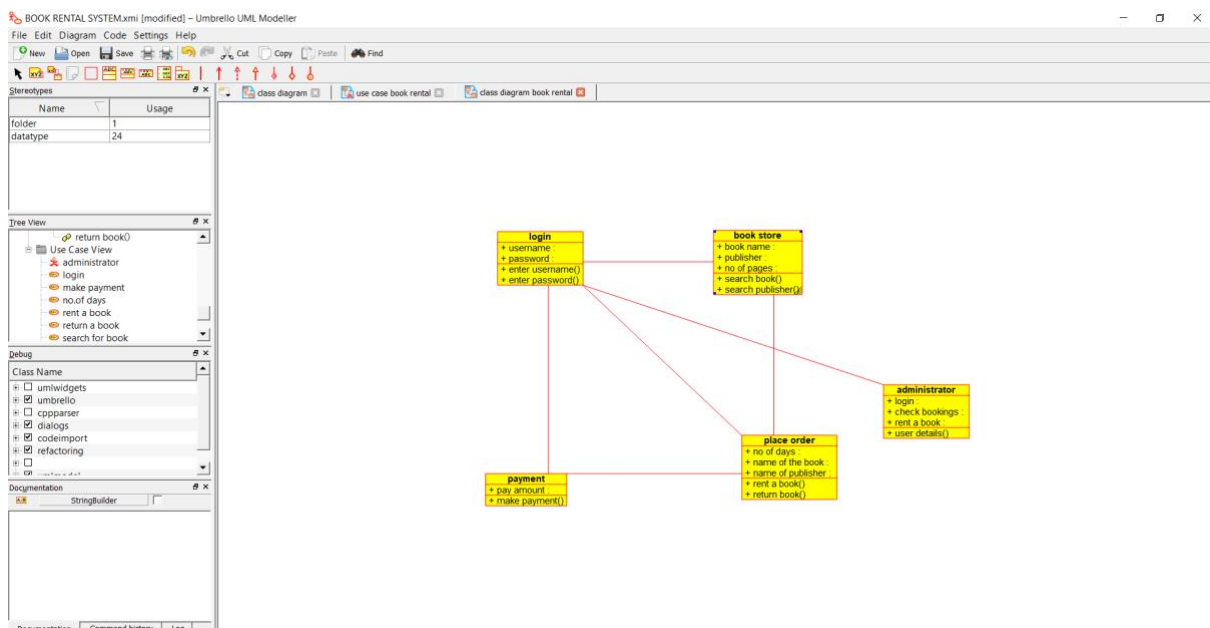CLASS DIAGRAM FOR BOOK RENTAL SYSTEM


```java
import java.util.*;



/**
 * Class administrator
 */
public class administrator {

  //
  // Fields
```

```
//

public void login;
public void check_bookings;
public void rent_a_book;

//
// Constructors
//
public administrator () { };

//
// Methods
//


//
// Accessor methods
//

/**
 * Set the value of login
 * @param newVar the new value of login
 */
public void setLogin (void newVar) {
  login = newVar;
}

/**
 * Get the value of login
 * @return the value of login
 */
public void getLogin () {
  return login;
}

/**
 * Set the value of check_bookings
 * @param newVar the new value of check_bookings
 */
public void setCheck_bookings (void newVar) {
  check_bookings = newVar;
}

/**
 * Get the value of check_bookings
 * @return the value of check_bookings
 */
public void getCheck_bookings () {
```

```java
      return check_bookings;
  }

  /**
   * Set the value of rent_a_book
   * @param newVar the new value of rent_a_book
   */
  public void setRent_a_book (void newVar) {
    rent_a_book = newVar;
  }

  /**
   * Get the value of rent_a_book
   * @return the value of rent_a_book
   */
  public void getRent_a_book () {
    return rent_a_book;
  }

  //
  // Other methods
  //

  /**
   */
  public void user_details()
  {
  }

}
```

```java
import java.util.*;


/**
 * Class book_store
 */
public class book_store {

  //
  // Fields
  //

  public void book_name;
  public void publisher;
  public void no_of_pages;
```

```java
//
// Constructors
//
public book_store () { };

//
// Methods
//


//
// Accessor methods
//

/**
 * Set the value of book_name
 * @param newVar the new value of book_name
 */
public void setBook_name (void newVar) {
  book_name = newVar;
}

/**
 * Get the value of book_name
 * @return the value of book_name
 */
public void getBook_name () {
  return book_name;
}

/**
 * Set the value of publisher
 * @param newVar the new value of publisher
 */
public void setPublisher (void newVar) {
  publisher = newVar;
}

/**
 * Get the value of publisher
 * @return the value of publisher
 */
public void getPublisher () {
  return publisher;
}

/**
 * Set the value of no_of_pages
```

```java
     * @param newVar the new value of no_of_pages
     */
    public void setNo_of_pages (void newVar) {
      no_of_pages = newVar;
    }

    /**
     * Get the value of no_of_pages
     * @return the value of no_of_pages
     */
    public void getNo_of_pages () {
      return no_of_pages;
    }

    //
    // Other methods
    //

    /**
     */
    public void search_book()
    {
    }


    /**
     */
    public void search_publisher()
    {
    }


}
```

```java
import java.util.*;


/**
 * Class login
 */
public class login {

  //
  // Fields
  //

  public void username;
```

```java
public void password;

//
// Constructors
//
public login () { };

//
// Methods
//


//
// Accessor methods
//

/**
 * Set the value of username
 * @param newVar the new value of username
 */
public void setUsername (void newVar) {
  username = newVar;
}

/**
 * Get the value of username
 * @return the value of username
 */
public void getUsername () {
  return username;
}

/**
 * Set the value of password
 * @param newVar the new value of password
 */
public void setPassword (void newVar) {
  password = newVar;
}

/**
 * Get the value of password
 * @return the value of password
 */
public void getPassword () {
  return password;
}

//
```

```java
  // Other methods
  //

  /**
   */
  public void enter_username()
  {
  }


  /**
   */
  public void enter_password()
  {
  }


}
```

```java
import java.util.*;


/**
 * Class payment
 */
public class payment {

  //
  // Fields
  //

  public void pay_amount;

  //
  // Constructors
  //
  public payment () { };

  //
  // Methods
  //


  //
  // Accessor methods
  //
```

```java
    /**
     * Set the value of pay_amount
     * @param newVar the new value of pay_amount
     */
    public void setPay_amount (void newVar) {
      pay_amount = newVar;
    }

    /**
     * Get the value of pay_amount
     * @return the value of pay_amount
     */
    public void getPay_amount () {
      return pay_amount;
    }

    //
    // Other methods
    //

    /**
     */
    public void make_payment()
    {
    }

}
```

```java
import java.util.*;

/**
 * Class place_order
 */
public class place_order {

  //
  // Fields
  //

  public void no_of_days;
  public void name_of_the_book;
  public void name_of_publisher;

  //
  // Constructors
```

```java
//
public place_order () { };

//
// Methods
//


//
// Accessor methods
//

/**
 * Set the value of no_of_days
 * @param newVar the new value of no_of_days
 */
public void setNo_of_days (void newVar) {
  no_of_days = newVar;
}

/**
 * Get the value of no_of_days
 * @return the value of no_of_days
 */
public void getNo_of_days () {
  return no_of_days;
}

/**
 * Set the value of name_of_the_book
 * @param newVar the new value of name_of_the_book
 */
public void setName_of_the_book (void newVar) {
  name_of_the_book = newVar;
}

/**
 * Get the value of name_of_the_book
 * @return the value of name_of_the_book
 */
public void getName_of_the_book () {
  return name_of_the_book;
}

/**
 * Set the value of name_of_publisher
 * @param newVar the new value of name_of_publisher
 */
public void setName_of_publisher (void newVar) {
```

```java
        name_of_publisher = newVar;
    }

    /**
     * Get the value of name_of_publisher
     * @return the value of name_of_publisher
     */
    public void getName_of_publisher () {
        return name_of_publisher;
    }

    //
    // Other methods
    //

    /**
     */
    public void rent_a_book()
    {
    }


    /**
     */
    public void return_book()
    {
    }

}
```