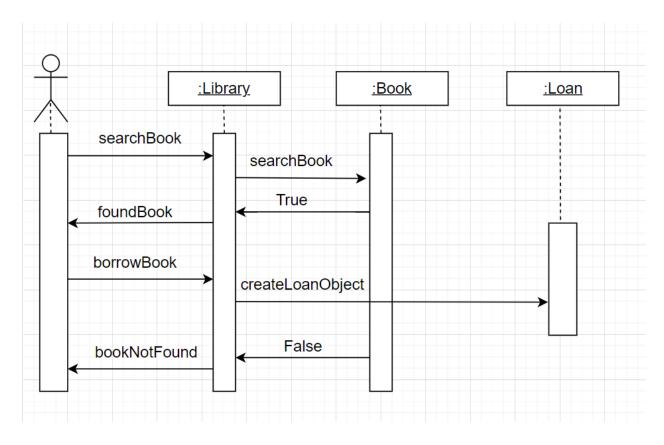
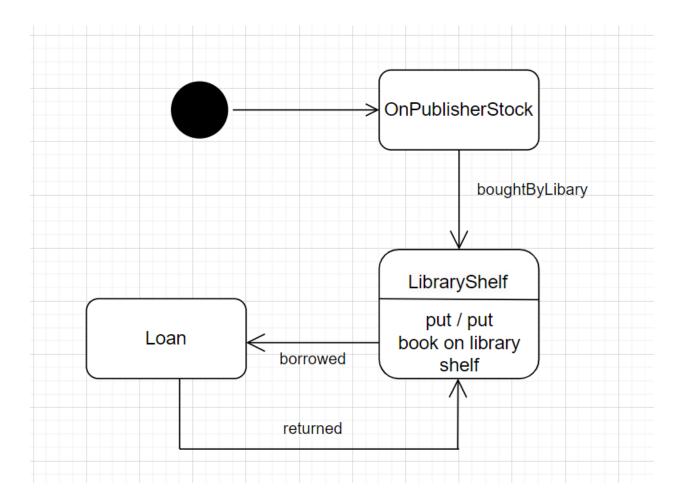
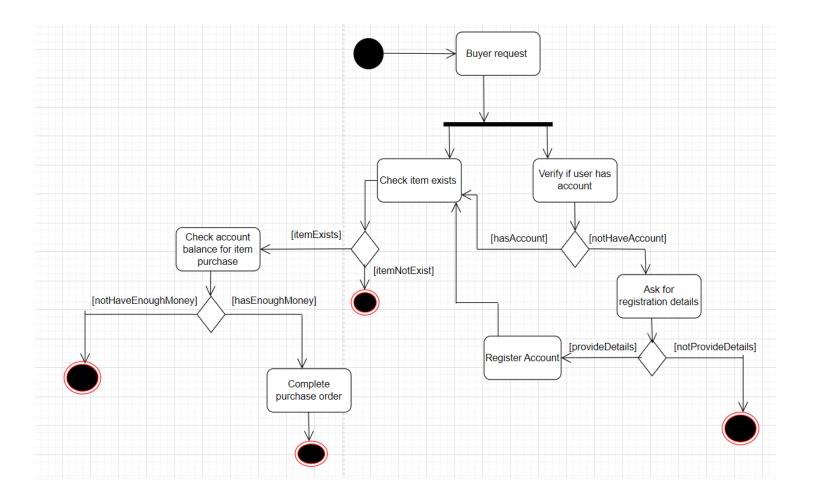
Question 1 Sequence Diagram



Question 2: State Diagram



Question 3: Activity Diagram



Question 4 Code:

```
import java.util.Date;
public class BankAccount implements Cloneable{
    public static void main(String[] args) {
```

```
BankAccount bank2 = (BankAccount)bank1.clone();
 System.out.println("True:" + bank1 +" is equivalent to "+ bank2);
private int accountNumber;
balance = balance + amount;
return balance;
            BankAccount bankClone = (BankAccount) super.clone();
            bankClone.createDate = (java.util.Date)(createDate.clone());
            return bankClone;
      // if object is not cloneable then return null
```

```
}
}
```

Output:

```
Problems • Javadoc • Declaration • Console × : Call Hierarchy

<terminated > BankAccount [Java Application] C:\Users\baloc\.p2\pool\plugins\org.eclipse.justj.

True:BankAccount@6504e3b2 is equivalent BankAccount@515f550a
```