1. The purchasing department handles purchase requests from other departments in the company.  People in the company who initiate the original purchase request are the "customers" of the purchasing department.  A case worker within the purchasing department receives that request and monitor it until it is ordered and received. Case workers process the requests for purchasing products under 1500tk, write a purchase order, and then send it to the approved vendor.  Purchase requests over 1500tk must first be sent out for a bid from the vendor that supplies the product.  When the bids return, the case worker selects one bid.  Then, the case worker writes a purchase order and sends it to the approved vendor

**Create** an activity diagram with swimlanes.

2. Here are the steps that occur in the use case named ‘Create New Library User Account’.

The librarian request the system to create a new online library account  
The librarian then selects the library user account type  
The librarian enters the user’s details  
The user’s details are checked using the user Credentials Database  
The new library user account is created  
A summary of the of the new account’s details are then emailed to the user

**Create** an Sequence diagram.