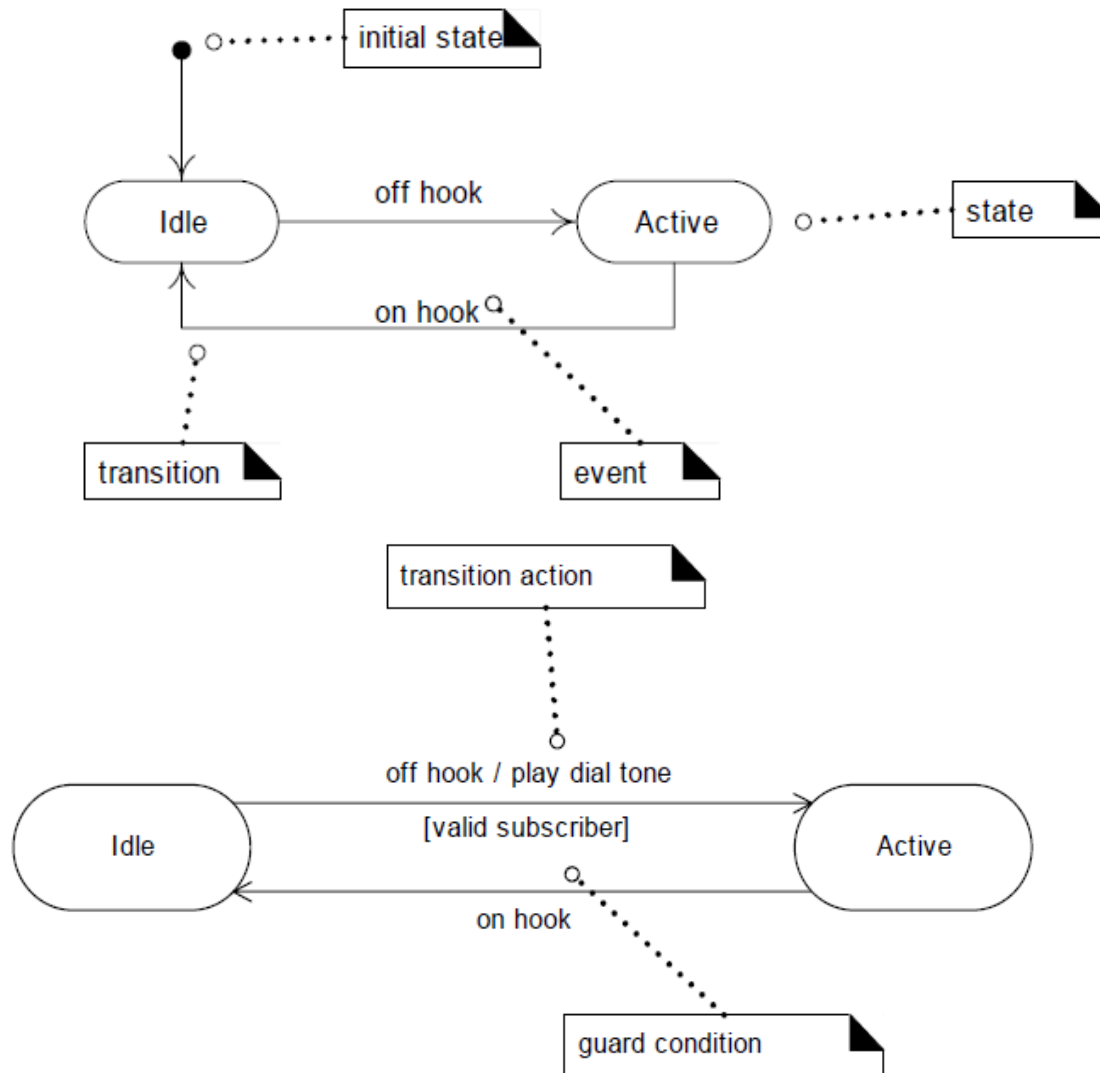




# State Machine and Package Diagrams Workshop (In Class Activity)

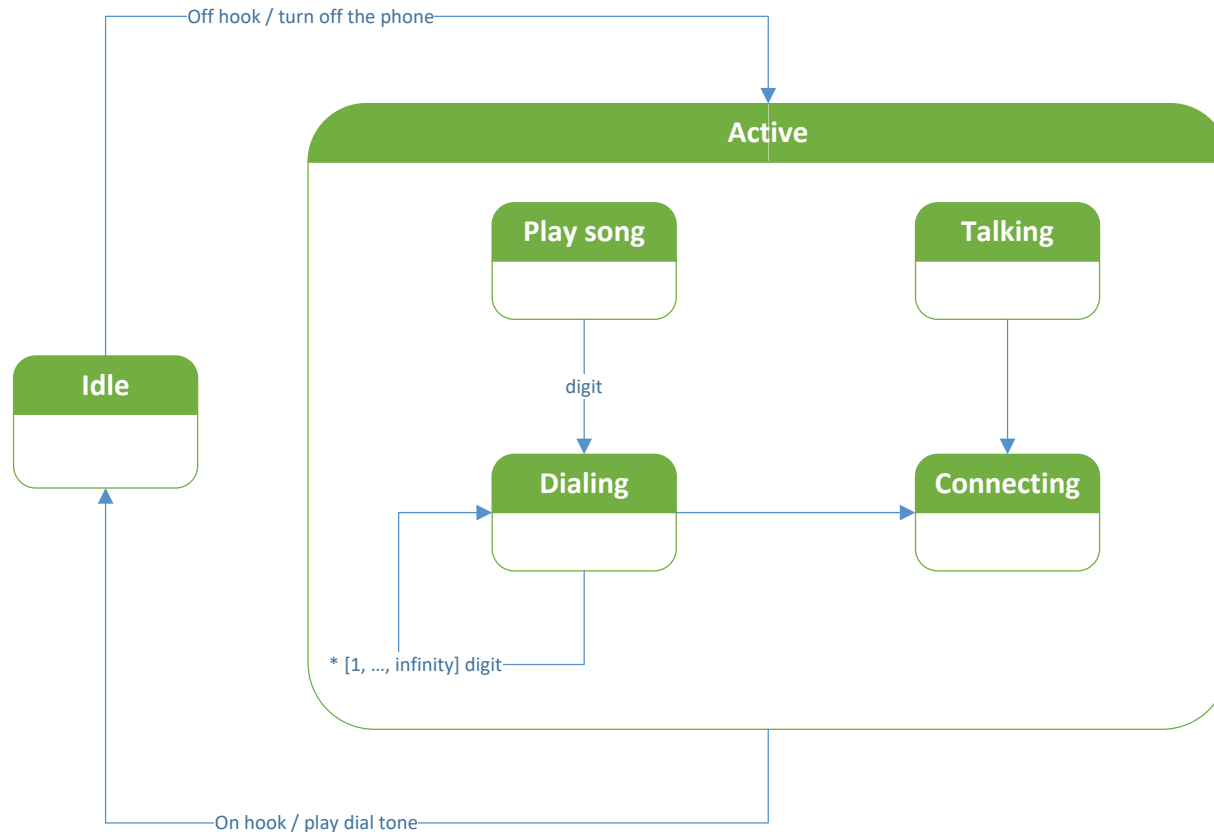
# State Machine Diagrams Recap

Telephone



# Find Errors and Correct the Diagram (1)

- Find and list four errors in the State Diagram.





# State Machine Diagrams (2)

- Draw a State Machine Diagram in MS Visio for FedEx shipment system.
- Use transition actions, guard conditions and nested states in your diagram.
- See details in the following slides, e.g.,
  - Logging in (at the beginning) and logging out (at the end of transaction)
    - Registered and non registered users logging.
  - Payment is initially in unauthorized state. Once authorized it moves to authorized.
  - Confirmation is sent via e-mail invoice.
  - ...



# FedEx


**FedEx**

Shipping ▾

Tracking ▾

Manage ▾

Learn ▾

 FedEx Office<sup>®</sup> ▾

## fedex.com Login

for access to FedEx online shipping tools

\* Denotes required field.

### Registered fedex.com Users



#### IMPORTANT

For best results, please disable your pop-up blocker.

Enter your user ID and password to login

\* User ID

\* Password

\* Login to  FedEx Ship Manager™ Lite  **NEW**  
 FedEx Ship Manager™ at fedex.com   
 Remember my user ID on this computer.

[Login Help](#) [Forgot/Reset your password or user ID?](#) **Login**

### New fedex.com Users

[Create a User ID for Shipping with an account ▶](#)

[Create a User ID for Shipping with a credit card ▶](#)

[Create a one-time credit card shipment ▶](#)

## Life just got easier.

Request your own delivery schedule  
with FedEx Delivery Manager.<sup>®\*</sup>

\*Terms, restrictions and fees apply.

**Get started ▶**

FedEx Ship Manager<sup>®</sup> Lite Login Advanced Shipping Help

**1. Address Information**

Enter your (From) address and the recipient's (To) address.

From Address		To Address	
Your name	<input type="text"/>	Recipient name	<input type="text"/>
Company	<input type="text" value="(optional)"/>	Company	<input type="text" value="(optional)"/>
Country / Location	<input type="text" value="United States"/>	Country / Location	<input type="text" value="United States"/>
Address	<input type="text" value="Street address"/>	Address	<input type="text" value="Street address"/>
	<input type="text" value="Apt, Floor, Suite, etc.. (optional)"/>		<input type="text" value="Apt, Floor, Suite, etc.. (optional)"/>
ZIP	<input type="text"/>	ZIP	<input type="text"/>
City	<input type="text"/>	City	<input type="text"/>
State	<input type="text" value="Select"/>	State	<input type="text" value="Select"/>
Phone	<input type="text"/> Ext. <input type="text" value="(optional)"/>	Phone	<input type="text"/> Ext. <input type="text" value="(optional)"/>
Email notifications	<input type="text" value="(optional)"/> ?	Email notifications	<input type="text" value="(optional)"/> ?

[Perform detailed address check](#)

This is a residential address ?

**2. Shipment** Details

3. Payment

4. Confirmation

FedEx.

### Tracking Status History

Name	Status	Date Created	
11/03/2012 2:10pm	Delivered	11/01/2012 05:04pm	edit
11/03/2012 7:30am	On FedEx vehicle for delivery	11/01/2012 05:02pm	edit
11/02/2012 03:55pm	At local FedEx facility	11/01/2012 04:59pm	edit
11/02/2012 04:12am	In transit	11/01/2012 04:58pm	edit
11/02/2012 03:12am	Departed FedEx location	11/01/2012 04:57pm	edit
11/01/2012 11:35am	At local Fedex facility	11/01/2012 04:55pm	edit
11/01/2012 10:12am	Picked up	11/01/2012 04:54pm	edit

# State Diagram (3)

- Extend the State Diagram to include the information about customs.

★ 780062385377  Save tracking results

Print ? Help

Ship (P/U) date :  
**Mon 28/07/2014 09:20**  
Sarasota, FL US

Estimated delivery :  
**Thur 07/08/2014**  
Makurdi, Be NG

**Clearance delay**  
LAGOS, NG

Hold at FedEx Location **Request Notifications** Obtain Proof of Delivery More actions ▾

Travel History ? Help Hide

▲ Date/Time	Activity	Location
- 02/08/2014 - Saturday		
15:58	Clearance delay - Import	LAGOS NG
15:00	Clearance in progress	LAGOS NG
14:57	International shipment release - Import	LAGOS NG
10:15	In transit Package available for clearance	LAGOS NG