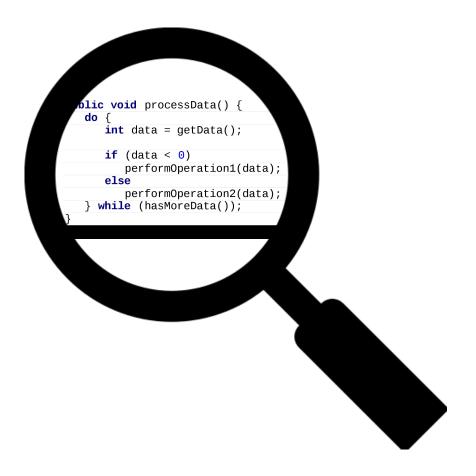
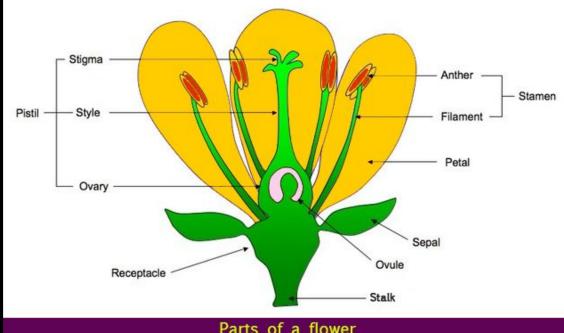
CS 301 FDD, TDD, ETVX

Eswaran Narasimhan

28/30 – Aug - 2024

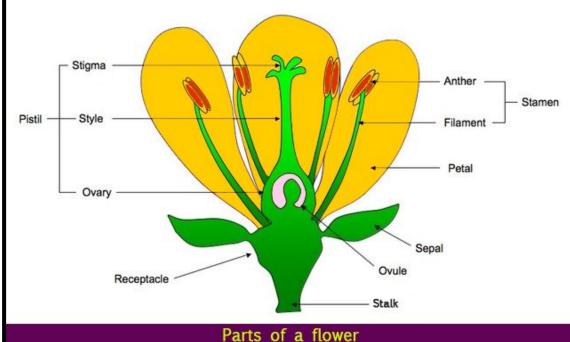
Software Development Methodologies





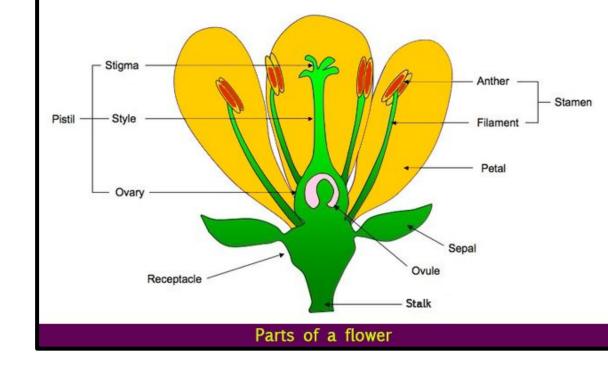
Parts of a flower

- **Pistil**
- ☐ Stigma
- ☐ Style
- □ Ovary
 - Ovule
- Receptacle
- Stalk
- Sepal
- Petal
- Stamen
 - ☐ Anther
 - ☐ Filament



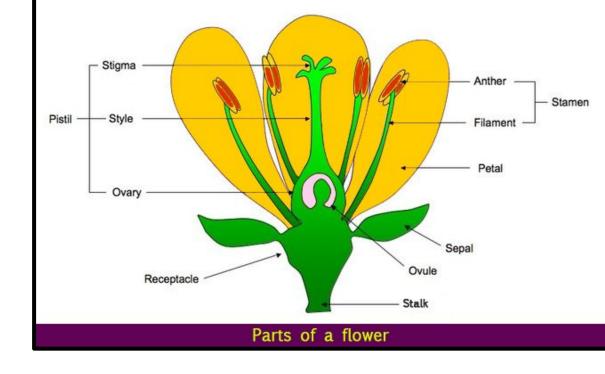
<action><result><object>

- ☐ Compute the total tax
- Validate the entered password
- Authenticate the credentials of the user



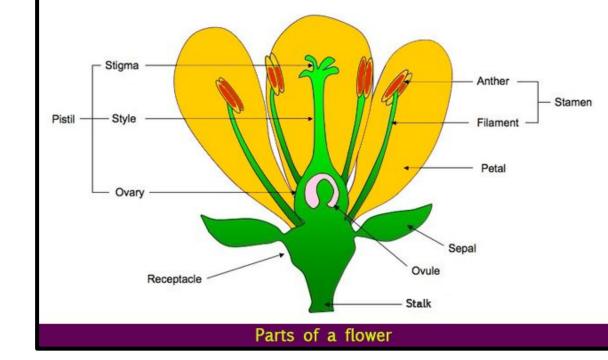
<action><result><object>

- ☐ Compute the total tax
- Validate the entered password
- Authenticate the credentials of the user



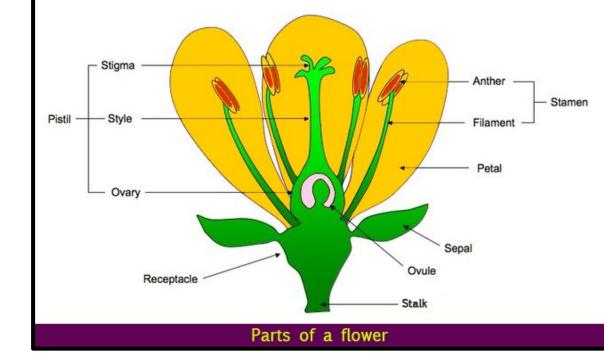
- **☐** Write 5 features in Moodle
- **☐** Write 3 features in PayTM

Develop overall model



Develop overall model

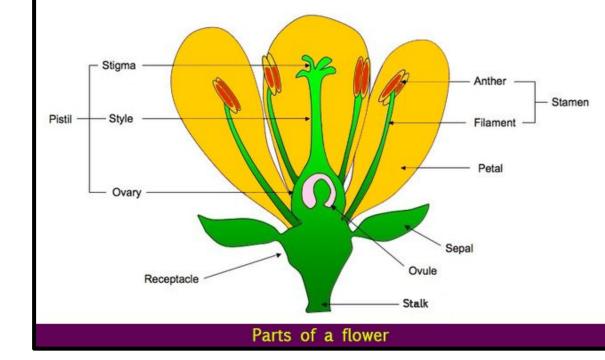




Develop overall model

Build feature list

Plan by feature



Develop overall model

Build feature list

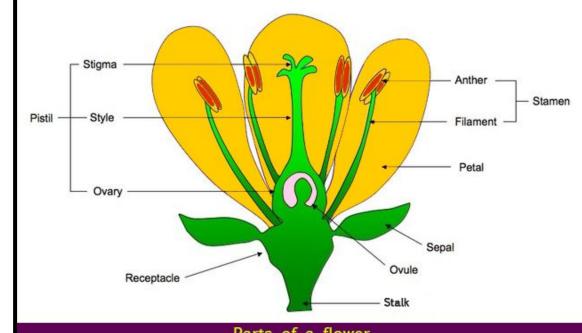
Plan by feature



Design by feature

Build by feature





Parts of a flower

August 2024

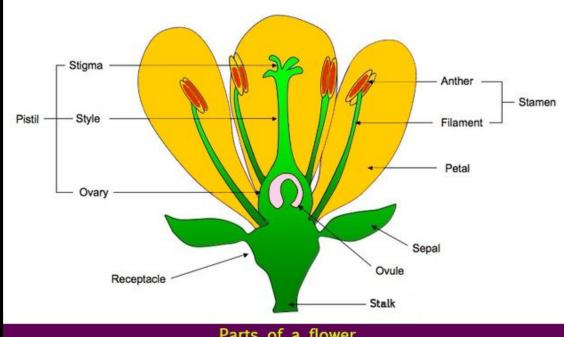
			1	2	3
					1000
5	6	7	8	9	10
12	13	14	15	16	17
19	20	21	22	23	24
26	27	28	29	30	31
	12 19	12 13 19 20	12 13 14 19 20 21	12 13 14 15 19 20 21 22	12 13 14 15 16 19 20 21 22 23

Advantages

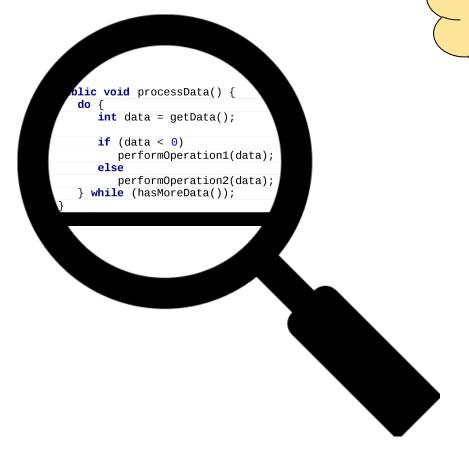
- Large scale projects
- **Improving quality**

Disadvantages

- **Dynamic deadlines**
- **Skill dependent**
- **Scarce Documentation at detailed level**



Parts of a flower

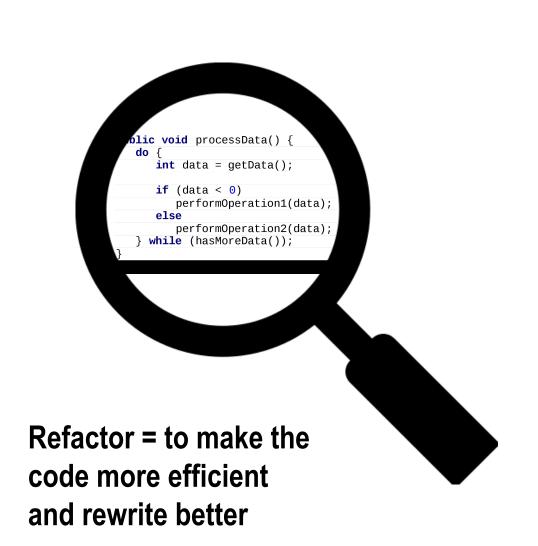


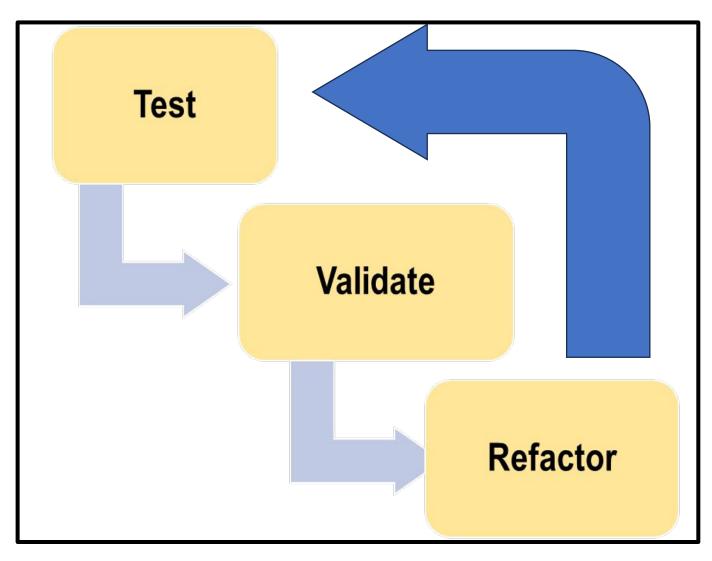
Doing the right thing.

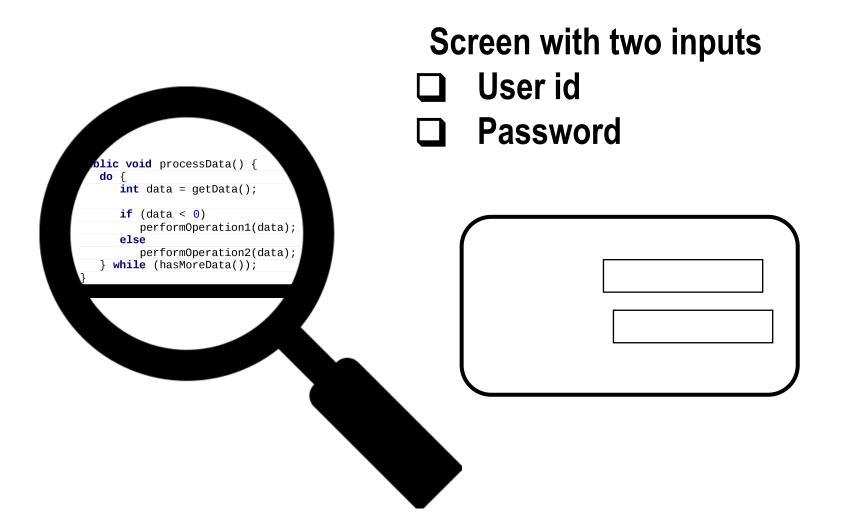
Doing the thing right.

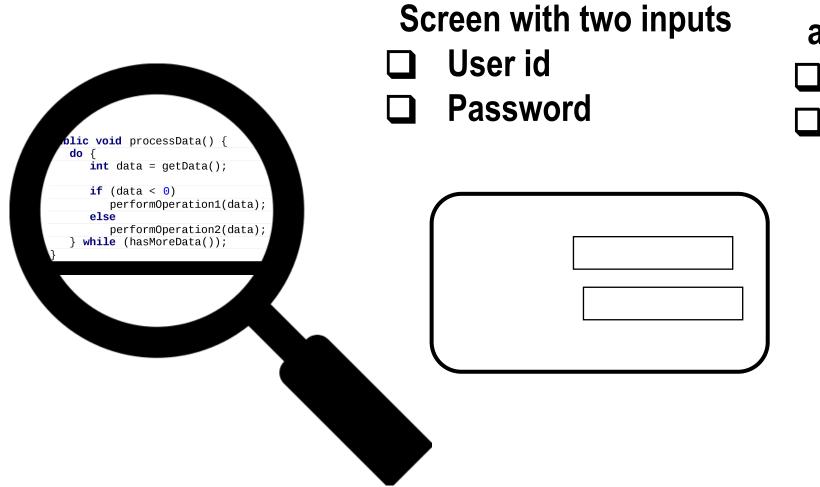
http://bestandworstever.blogspot.com/2013/01/worst-thing-to-put-before-horse-ever.html











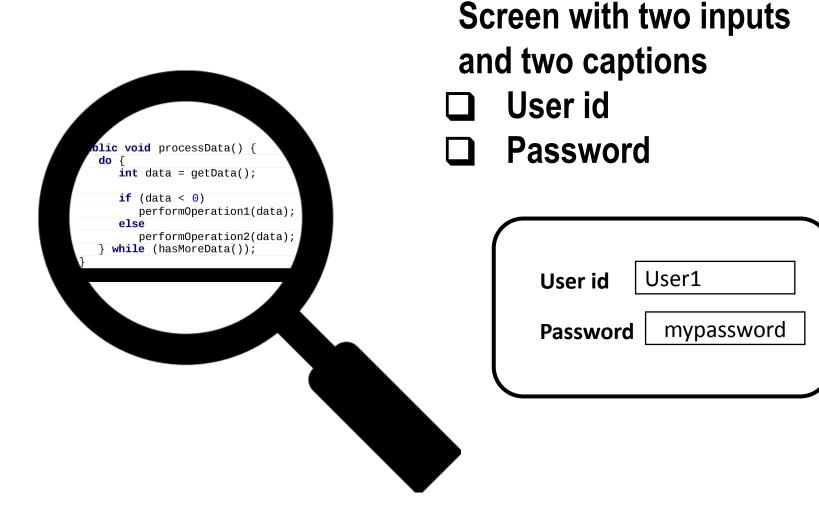
Screen with two inputs and two captions

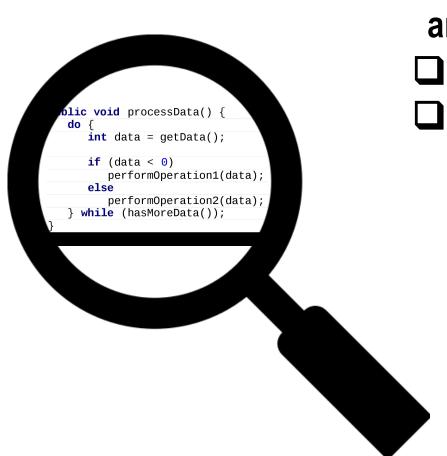
User id

☐ Password

User id

Password





Screen with two inputs and two captions

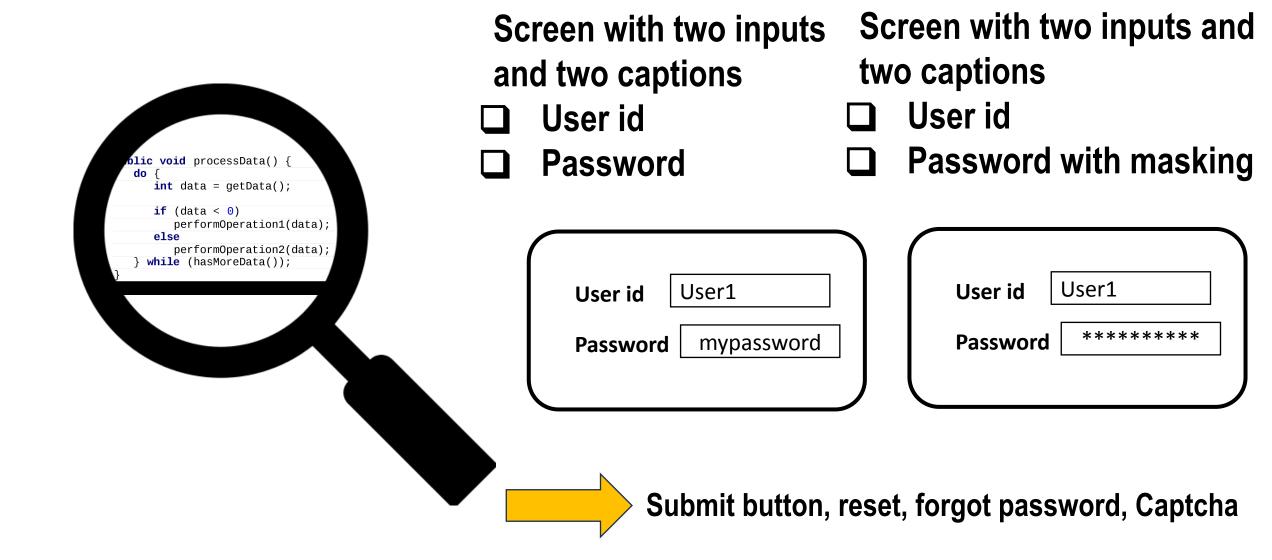
- ☐ User id
- Password

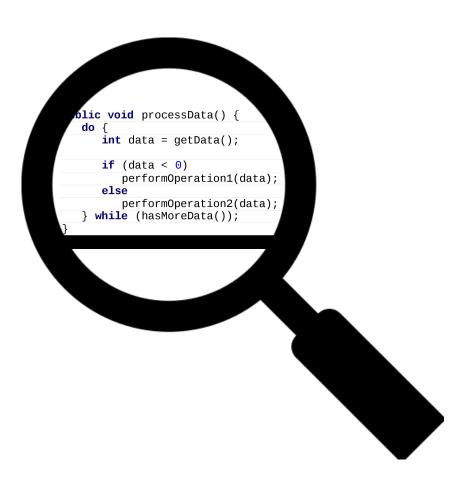
Screen with two inputs and two captions

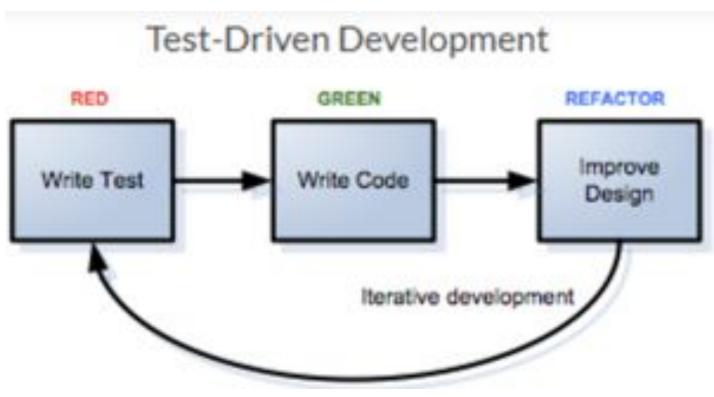
- □ User id
- ☐ Password with masking

User id User1
Password mypassword

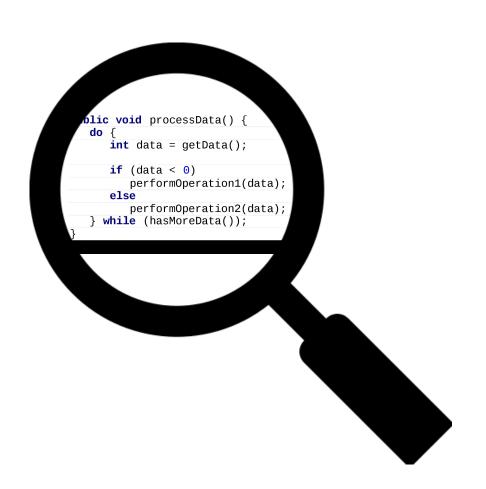
User id User1
Password ********





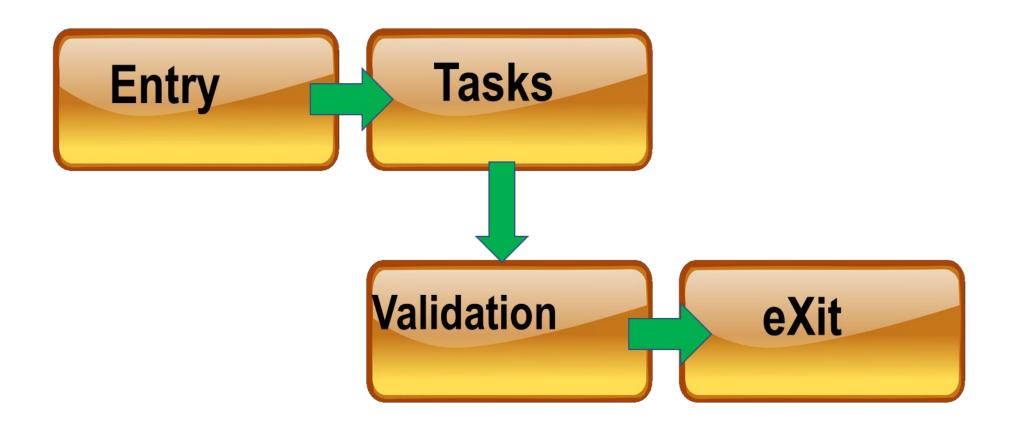


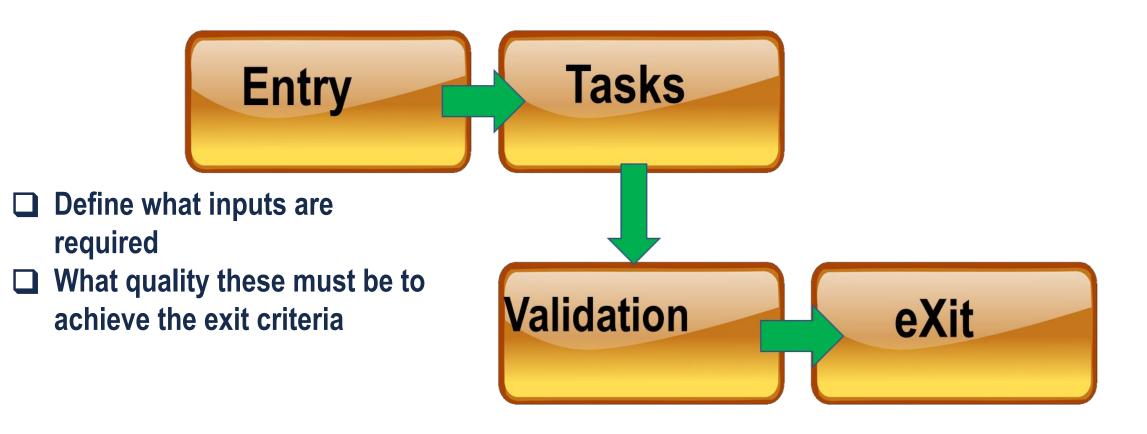
https://cio-wiki.org/wiki/Test_Driven_Development_(TDD)

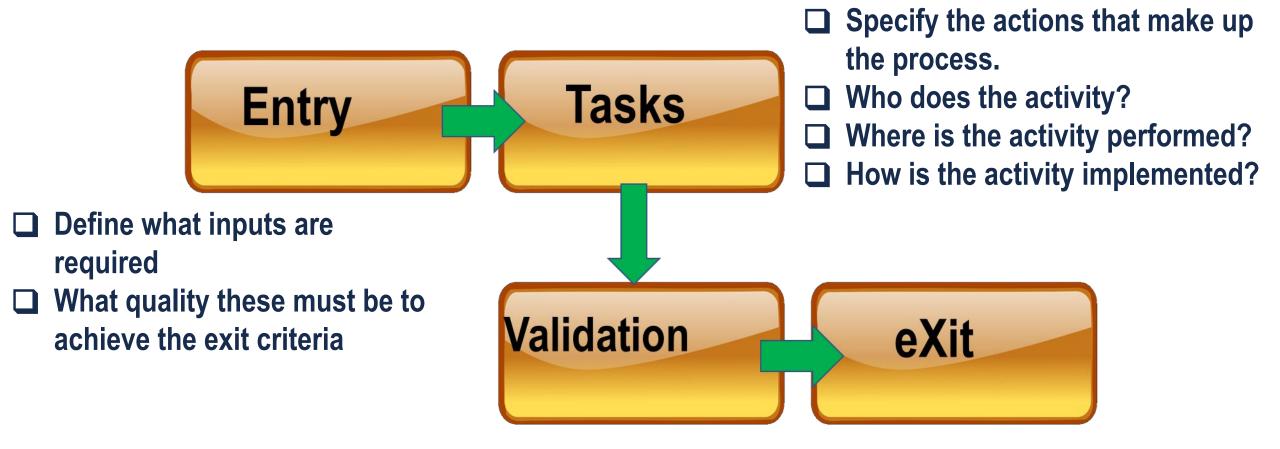


Advantages Simple, elegant, modular code **Shift Left** Concurrent documentation. Maintenance of code. **Learning economies** End – user view **Disadvantages Cart-before-the-horse effect** Refactoring could become challenging

Design volatility

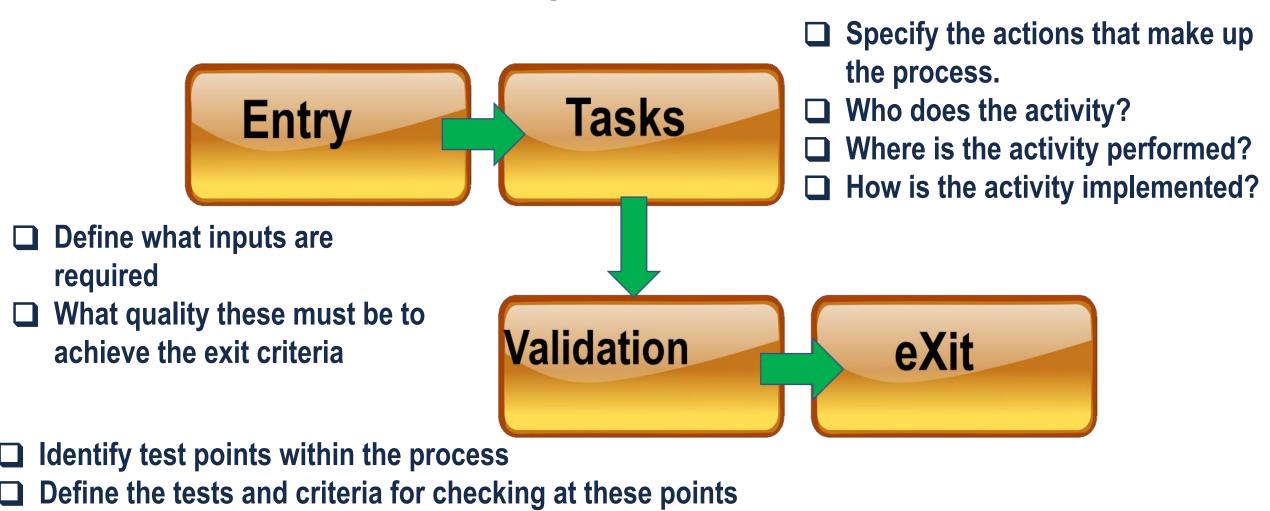




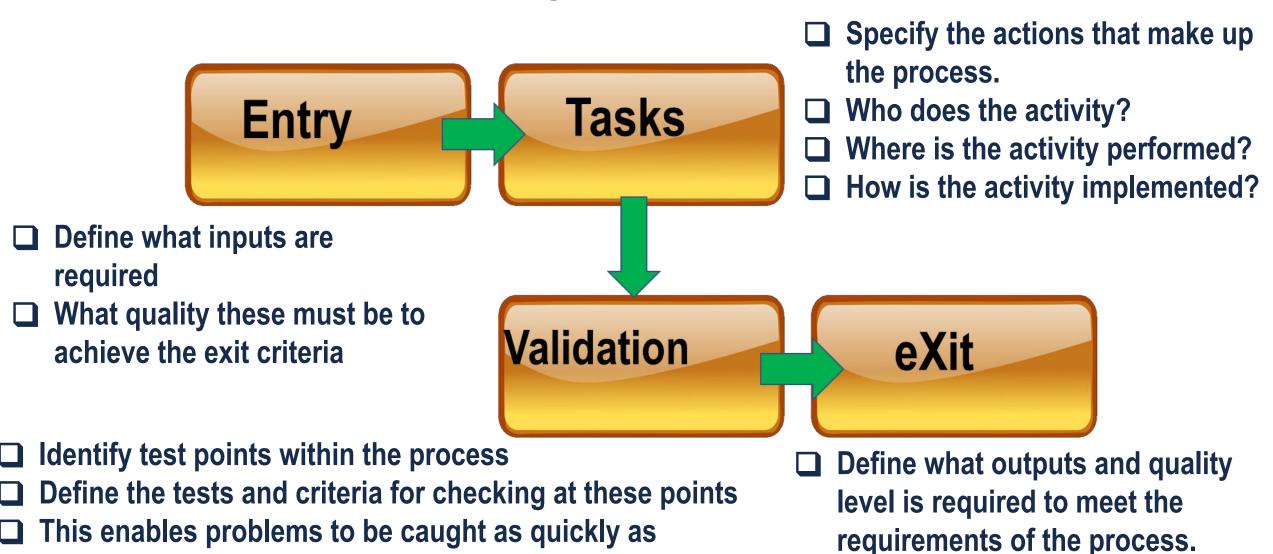


This enables problems to be caught as quickly as

possible



possible



When does the activity end?