



FEU INSTITUTE OF TECHNOLOGY
COLLEGE OF ENGINEERING • COLLEGE OF COMPUTER STUDIES

ITSE333A

ABAP

Lesson 5: Dynamic Programs

Anthony D. Aquino



Agenda

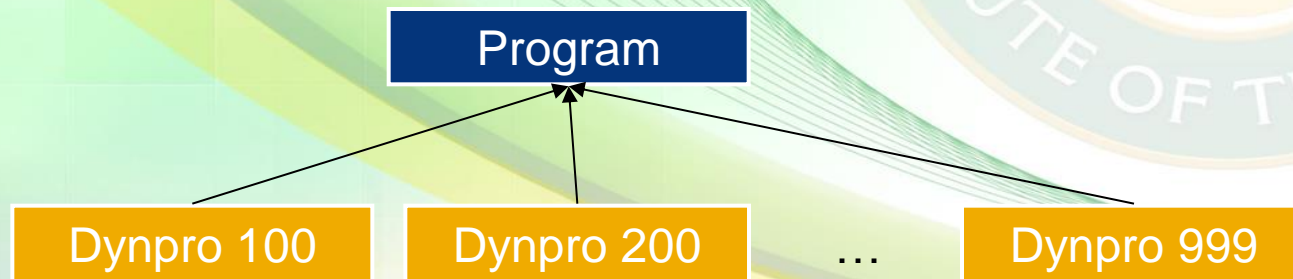
1. Dynpro attributes
2. Dynpro runtime
3. Creation of dynpros
4. Title and status bar
5. Entry help in dynpros





Dynpro attributes

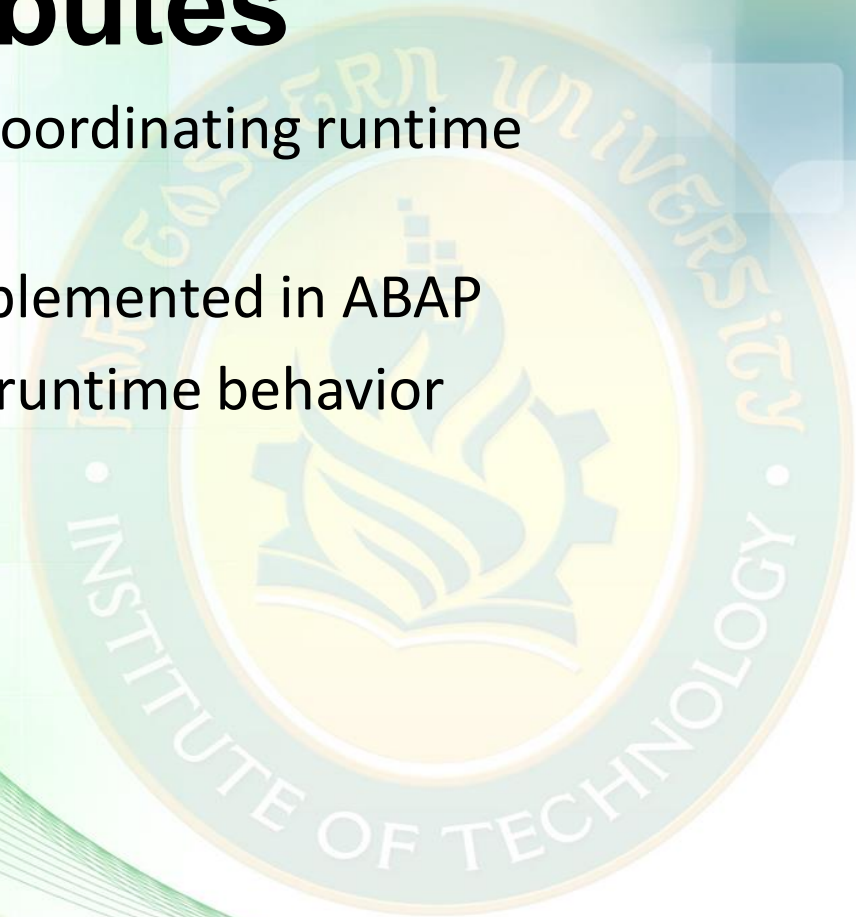
- Dynpro = dynamic programs
- Several dynpros form a program
- Programs using dynpros can be accessed by transaction codes only
- Programs using dynpros are so called module pools
- Distinction between input and output modules for a dynpro
- Every dynpro has a unique ID in a program





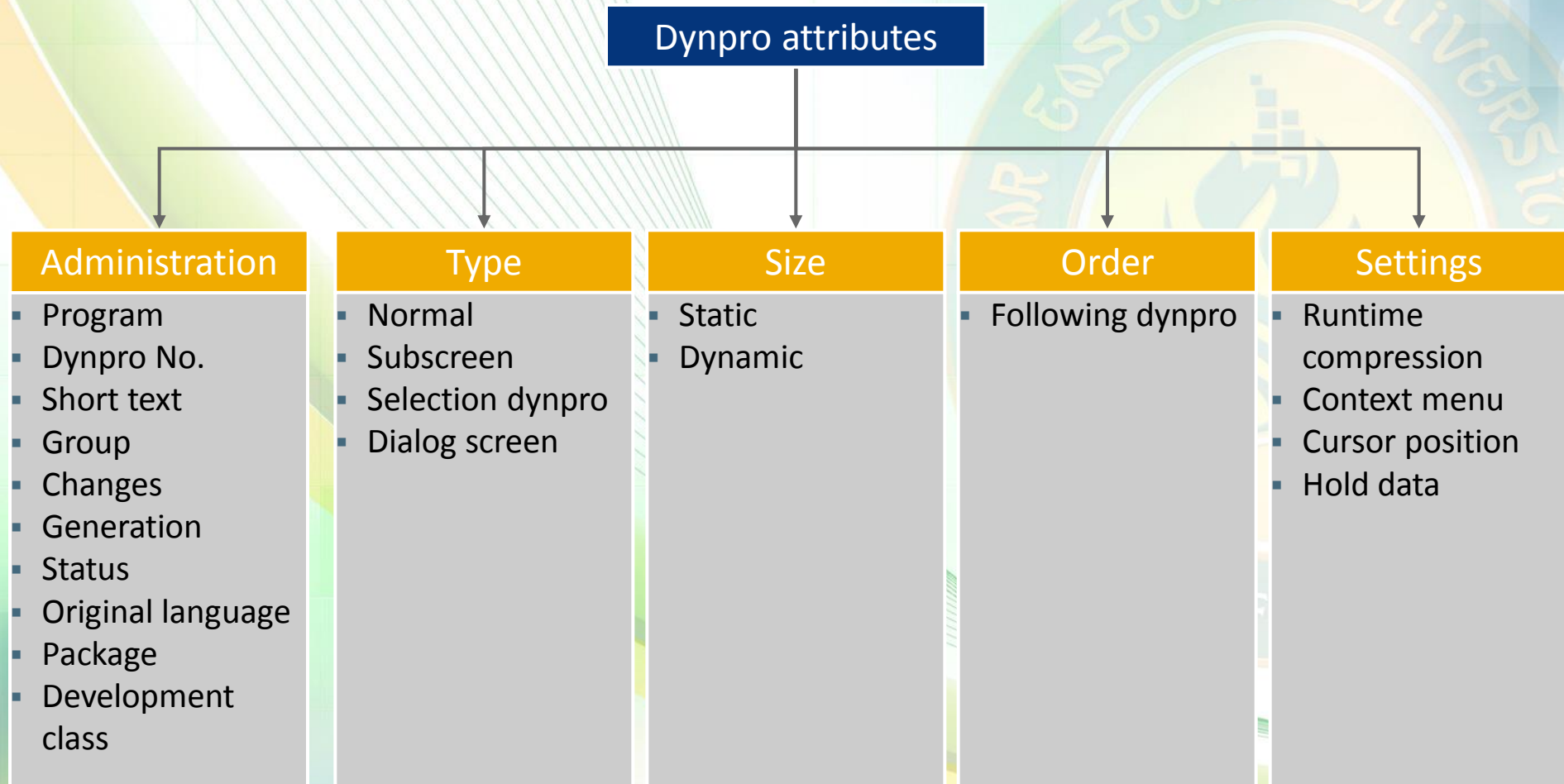
Dynpro attributes

- Dynpros use their own instructions for coordinating runtime behavior → this is no ABAP
- But: dynpros call modules which are implemented in ABAP
- Modules called by a dynpro control the runtime behavior





Dynpro attributes





Dynpro attributes

- Dynpros may contain following elements:

- Text
- Input fields
- Check boxes
- Radio buttons
- Buttons
- Tabs
- Frame
- Subscreens
- Table controls
- Custom controls



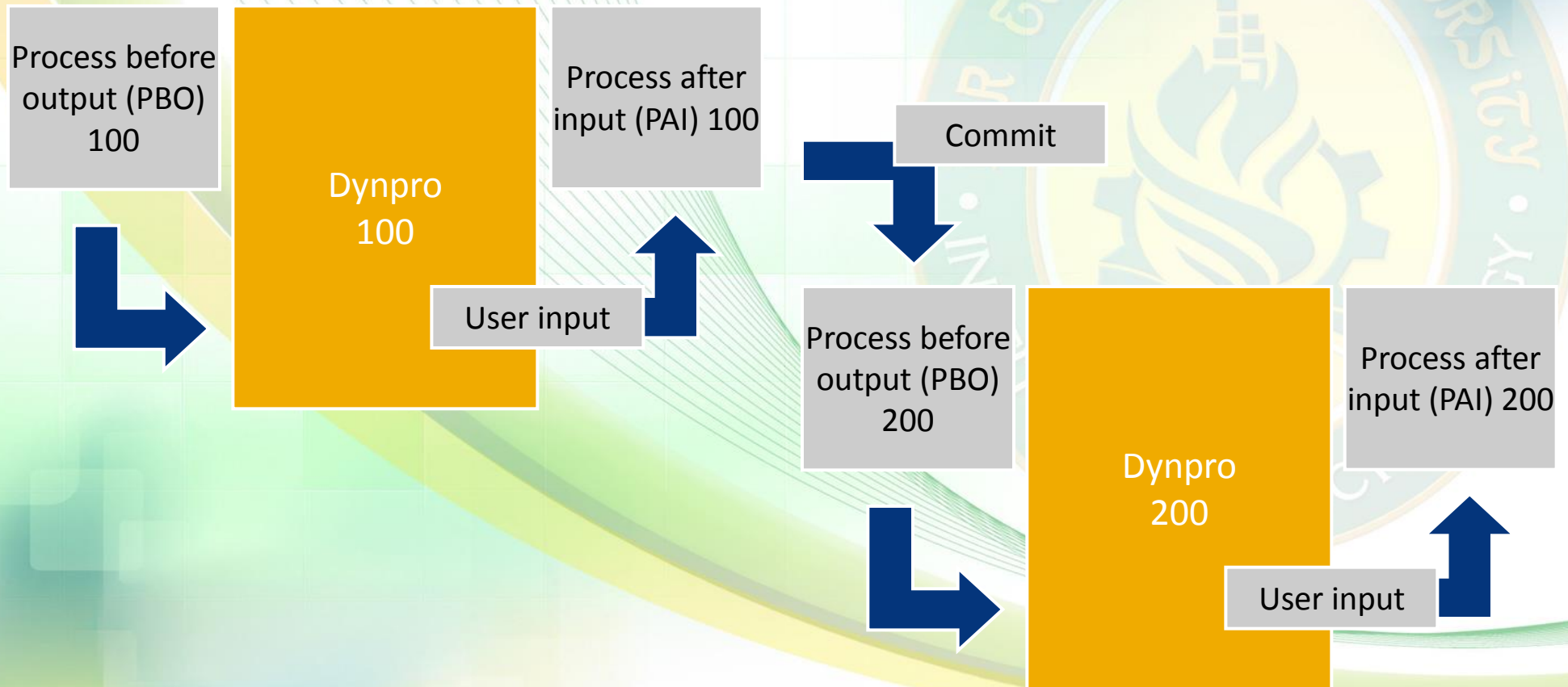
- Element's attributes may be changed during runtime





Dynpro runtime

TOP include





Create a new dynpro

Screenpainter

Dynpro attributes

- Dynpro no. 100
- Short text
- Dynpro type = normal
- Next dynpro = 200
- ...

Dynpro layout

- Flight number
- Input field

Element's attributes

- NUMBER
- 10 characters

Processing logic

PROCESS BEFORE OUTPUT
MODULE INIT
PROCESS AFTER INPUT
MODULE READ_100

Step 1

Step 2

Step 3

Step 4





Graphical Screen Painter

- Graphical Screen Painter is an external program, which is integrated into SAP Gui
- Can be used to draw a new dynpro
- Elements can be referenced to the Data dictionary (e.g. tables)
- If you did not install the Graphical Screen Painter you can use the older Screen Painter.



Graphical Screen Painter

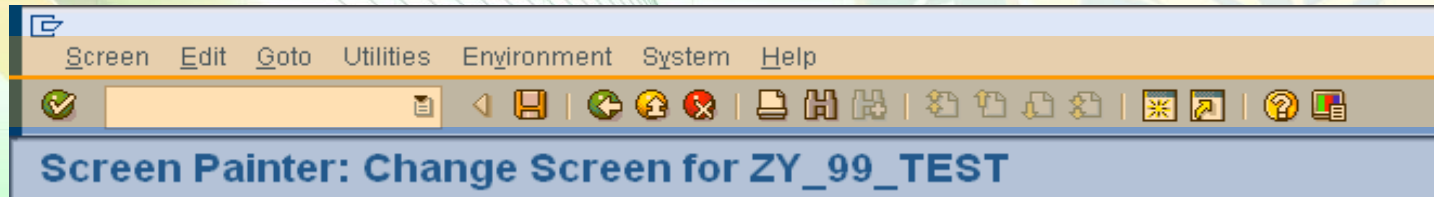
- Several views available:
 - Main view: contains the main elements of your dynpro, which can be edited
 - Element list: contains all element's attributes from your dynpro
 - Dictionary: contains elements from the data dictionary which may be inserted into your dynpro
 - Attributes: contains attributes of one element from your dynpro



Title and status bar

- Title defines the title of the dynpro
- Status bar defines the menu and the flexible and fixed tool bar
- Status bar defines OK_CODE of elements
- For each dynpro you may define a title and status bar

Status



Title