ENTERPRISE
ARCHITECT

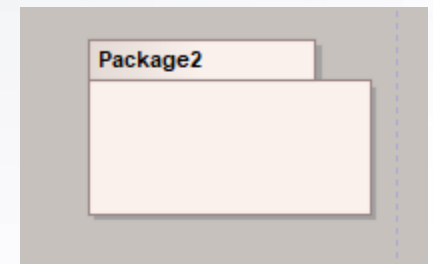# User interface diagram

Department of Software

User Interface Diagrams:

User Interface Diagrams are custom diagrams used to visually mock-up a system's user interface using forms, controls and labels.

User interface tool box:

1. **Package**:

A Package is a namespace as well as an element that can be contained in other packages' namespaces.

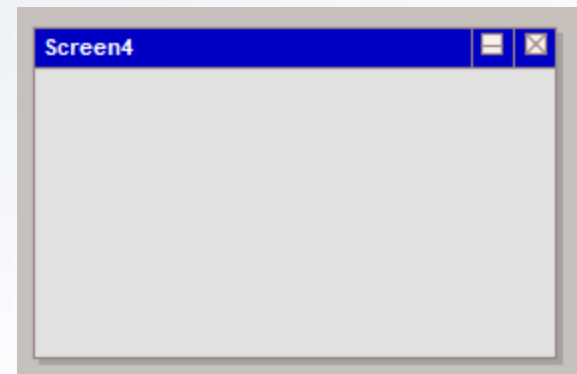# User Interface Diagrams:

2. Screen:

A Screen element represents a graphical user interface. You can place GUI elements onto the screen element.

So, the Screen element represents the screen or dialog frame in a graphical user interface. You can identify fields, delimiters and buttons on the screen using the different UI Control elements.

Screen4

User Interface Diagrams:

3. UI control:

A UI Control element represents a user interface control element (such as an edit box). It is used for capturing the components of a screens layout and requirements in a Custom or User Interface diagram.
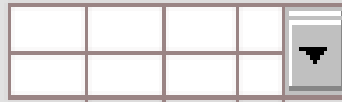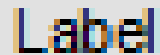
There are a number of UI Control elements available in the User Interface page of the Enterprise Architect UML Toolbox. These include:

- List
- Table
- Text
- Label
- Form
- Panel
- Button
- Combobox
- Checkbox
- Checkbox, Left
- Radio
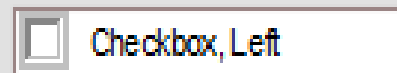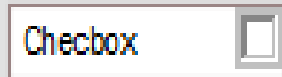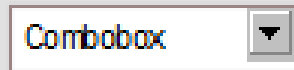- Radio, Left
- Vertical Line
- Horizontal Line

UI control:

- **List:**

- **Table**

- **Text Box**

- **Label**

- **Form**

- **Panel**

UI control:

- **Button**

- **Combobox**

- **Checkbox**

- **Checkbox (left hand side)**

- **Radio button**

- **Radio button (left hand side)**

- **Vertical Line**

- **Horizontal Line**
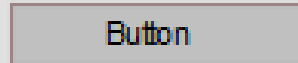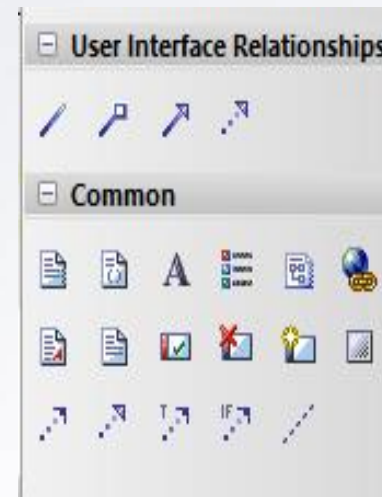
4. Object:

An Object is an instance of a Class.

"The icons can be combined on a Screen icon to represent the appearance of a user interface screen".
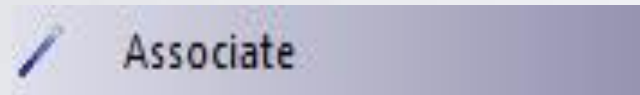
User Interface Relationship:

1. Associate relationship
2. Aggregate relationship
3. Generalization relationship
4. Realize relationship

User Interface Relationship:
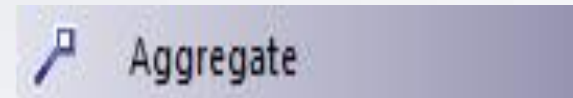
1. **Associate relationship:**

   Associate

   An Association implies that two model elements have a relationship, So it is the general relationship type between two elements.

2. **Aggregate relationship:**

   Aggregate

   An Aggregation connector is a type of association that shows that an element contains or is composed of other elements.

User Interface Relationship:

3. Generalization relationship:

Generalize

A Generalization is used to indicate inheritance. Drawn from the specific classifier to a general classifier, the generalization's implication is that the source inherits the target's characteristics.

4. Realize relationship:

Realize

Thank You