Diagram Abbreviations:

Use case: U

Class: C

Interaction: I

State: S

Activity: A

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Symbol** | **Name** | **Class** | ***Diagram*** | | | | | **Additional Information** |
|  | note | Object | *U* | *C* | *I* | *S* | *A* | rectangle with appearance of fold on top right corner  manilla colored  may be linked to with only one specified connector |
|  | note connector | connector | *U* | *C* | *I* | *S* | *A* | dotted line connector |
|  | boundary | object | *U* |  |  |  |  | rectangle with CAPS text box in top left corner   * this object allows objects drawn within its borders * is not linked to by connectors * connectors may cross border of boundary * objects may not rest on border of boundary? |
|  | actor | object | *U* |  | *I* |  |  | stick man symbol, with text box below |
|  | case | object | *U* |  |  |  |  | horizontal oval with text box below OR inside |
|  | extend | connector | *U* |  |  |  |  | dotted line with arrowhead text << extend>> right of center of line |
|  | include | connector | *U* |  |  |  |  | dotted line with arrowhead  text << include >> right of center of line |
|  | interaction | connector | *U* |  |  |  |  | solid black line with no arrowhead at either end |
|  | inheritance | connector | *U* |  |  |  |  | solid black line with hollow arrowhead |
|  | class | object |  | *C* |  |  |  | box divided horizontally into 3 compartments. name/attributes/operations   * section with no data remains invisible? * is the qualifier a related object? * see page 57 of text book |
|  | system element | object |  | *C* |  |  |  | simple rectangle with text centered. |
|  | class relationship | connector |  | *C* |  |  |  | solid line connector with no/optional arrowhead   * either end indicates one-to-one, one-to-many, or many-to-many * either end may have a text box to indicate role * straight solid line, using right angles to reach target ( line is usually not diagonal) |
|  | navigation | connector |  | *C* |  |  |  | same as class relationship connector  arrowhead composed of solid lines (not a complete triangle) |
|  | association | connector |  | *C* |  |  |  | simple dotted line linking a class object to a connector line |
|  | aggregation | connector |  | *C* |  |  |  | same as class relationship connector  one end of arrow has **hollow** diamond head, with optional text over the arrowhead indicating 1 to 1, 1 to many, many to many. |
|  | composition | connector |  | *C* |  |  |  | same as class relationship connector  one end of arrow has **solid** diamond head, with optional text over the arrowhead indicating 1 to 1, 1 to many, many to many. |
|  | Inheritance | Connector | *C* |  |  |  |  | Hollow arrow at end of solid line |