

① Object

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Behaviour : response given to outside world

Identity : uniqueness of an object

Responsibility : role of an object

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Examples

1] pen

State :

- Brand : Reynolds
- color : Blue
- price : ₹ 10
- material : plastic
- Serial Number : PENREY 2025

Behaviour :

1] when I open the cap the tip becomes ready for writing

2] when I move the open on paper ink flows & words are written

3] when I close the cap it prevents ink from drying

Identity :

- Serial Number : PENREY 2025

Responsibility

1] when open it should write smoothly

2] when moved on paper it should write produce consistent lines

3] when closed it should protect ink from drying

2] Book

State :

- Title : "Science"
- Author : NCERT

- pages : 250
- ISBN : 978-93-5
- price : ₹ 180

Behaviour

- 1) when I open the book I can read the printed content
- 2) when I flip the page, the next page becomes visible
- 3) when I close the book, it remains protected

Identity

- ISBN : 978-93-5

Responsibility

- 1) when opened it should provide readable content
- 2) when pages are turned they should move smoothly
- 3) when closed it should keep pages intact

3) water bottle

State

- Brand : milton
- capacity : 1 litre
- color : Silver
- price : ₹ 400

Behaviour

- 1) when I open the cap I can pour or drink water

2) when I close the cap it prevents leakage

3) when I fill it stores water safely

Identity :

- code : MLTN2025

Responsibility

1) when closed it should not leak

2) when opened it should allow easy pouring

3) when filled it should maintain temperature

4) Chair

State :

- Material : wood

- color : Brown

- price : ₹ 1200

- serial no. : WOODCHAIR2025

Behaviour :

1) when I sit on it, it supports my weight

2) when I move it it shifts easily

3) when I stand up it returns to its original position

Identity

- serial no. : WOODCHAIR2025

Responsibility

- 1) when used it should support the persons weight
- 2) when moved it should remain stable
- 3) when unused it should stay durable

5] Table

State:

- material : teak wood
- color : dark brown
- price : £3500
- model : TBLWOOD2025

Behaviour:

- 1) when i place items on it, it holds them steadily
- 2) when cleaned, its surface becomes shiny
- 3) when moved it changes position easily

Identity:

- model : TBLWOOD2025

Responsibility:

- 1) when used it should provide a flat, stable surface
- 2) when cleaned it should resist scratches
- 3) when moved it should remain balanced

6] School Bag

State:

- Brand : Wildcraft
- color : Black
- material : Nylon
- price : £ 1800

Behaviour

- 1) when I open the zipper I can put or take out books
- 2) when I close the zipper it secures everything inside
- 3) when I wear it I can carry it easily on my back

Identity

- product code : WC2025

Responsibility:

- 1) when zipped it should keep books safe
- 2) when carried it should feel comfortable
- 3) when used daily it should remain durable

7] CLOCK

State:

- Brand : Titan
- Type : Wall Clock
- color : White
- price : £ 900

Behaviour

- 1) when I insert the battery it starts ticking
- 2) when I set the time the hands move accordingly
- 3) when the battery drains it stops

Identity

- Model number : TITAN 2025

Responsibility

- 1) when powered, it should show accurate time
- 2) when adjusted, it should respond instantly
- 3) when mounted, it should stay stable

8] Shoes

State :

- Brand : Puma
- Size : 8
- color : white
- price : ₹ 3500

Behaviour

- 1) when I wear them, they protect my feet
- 2) when I walk they provide grip
- 3) when I untie the lace I can remove them

Identity

- Model code : Puma 2025

Responsibility

- 1] when worn they should be comfortable
- 2] when walking, they should prevent slipping
- 3] when tied they should fit securely

9] Cup

State :

- color : white
- capacity : 250ml
- price : ₹ 250

Behaviour

- 1] when I pour tea, it holds the liquid
- 2] when I drink, it allows easy sipping
- 3] when I wash, it becomes clean

Identity

- model number : Cellocup2025

Responsibility

- 1] when filled, it should not leak
- 2] when handled, it should resist heat
- 3] when washed, it should not lose shine

10] Mirror

State :

- Shape : Rectangle
- Size : 3ft x 2ft
- Frame color : Silver
- Price : ₹ 1200

Behaviour :

1) when I stand before it, it shows my reflection

2) when I clean it, it becomes clear

3) when I tilt it, reflection angle changes

Identity

- product code = MIRROR2025

Responsibility

1) when used, it should reflect clearly

2) when cleaned, it should not scratch

3) when mounted, it should stay firm