Model::Main

UNREGISTERED

Model::Collaboration1::Interaction1::Integrated Nursery

sd Integrated Nursery

User: Actor1 | NurseryDriver | Tree | FloweringPlant | Plant

1 : main()

2 : createPlants()

3 : new Tree

4 : Tree created

5 : add Tree

6 : new Tree

7 : 2nd Tree created

8 : add 2nd Tree

9 : new FloweringPlant

10 : FloweringPLant created

11 : add Flowering Plant

12 : new FloweringPlant

13 : 2nd FloweringPlant created

14 : add 2nd FloweringPlant

15 : createUserPlant()

16 : Prompt for zone

17 : Input zone

18 : Prompt for Evaluation type

19 : Input evaluation type

20 : Prompt for Common name

21 : input common name

22 : Prompt for scientific name

23 : input scientific name

24 : Prompt for date Introduced

25 : Input date introduced

26 : new Plant

27 : Plant created

28 : add Plant

29 : setEvaluator()

alt

[evaluation type == most]

30 : determineExperience() evaluate by "most"

31 : sorter.get("most_experienced")

32 : boolean(yes/no)

[evaluation type == least]

33 : determineExperience() evaluate by "least"

34 : sorter.get(least_experienced())

35 : boolean(yes/no)

[evaluation type == year]

36 : sorter.get("this_year")

37 : boolean(yes/no)

[evaluation type == older]

38 : sorter.get(older_than_this_year)

39 : boolean(yes/no)

[else *Shoul never happen*]

40 : sorter.get(most_experienced)

41 : boolean(yes/no)

42 : loopPlants()

loop

[for All elements of plants, of type Plant]

43 : getID(), getClass.getSimpleName(), getDateIntroduced()

44 : returns ID, SimpleName, DateIntroduced

opt

[element is a Tree]

45 : getGrowingSpeed()

46 : growingSpeed

[element is a FloweringPlant]

47 : getFeatures(), getFlowersColors()

48 : features, flowersColors

49 : test(plant)

50 : boolean

51 : growsInzone()

52 : boolean(yes/no)