

Start

CREATE window utama

CREATE object CoffeeCassierApp

CALL mainloop

SET window title dan ukuran

LOAD logo jika file tersedia

DEFINE coffee\_menu

DEFINE non\_coffee\_menu

DEFINE snack\_menu

INITIALIZE orders sebagai list kosong

INITIALIZE total\_revenue = 0

CALL create\_widgets()

CREATE main\_frame

CONFIGURE layout grid

DISPLAY title dan logo

CREATE combobox coffee

CREATE combobox non-coffee

CREATE combobox snack

CREATE spinbox quantity

CREATE buttons:

Order → place\_order

Clear → clear\_selection

Print Receipt → print\_receipt

Export PDF → export\_pdf

Reset All → reset\_all

CREATE receipt\_text area + scrollbar

CREATE summary label (total order & revenue)

CONFIGURE bold text style for TOTAL

SET name = NONE

SET price = NONE

IF coffee selected THEN

    name = selected coffee

    price = coffee\_menu[name]

ELSE IF non-coffee selected THEN

    name = selected non-coffee

    price = non\_coffee\_menu[name]

ELSE IF snack selected THEN

    name = selected snack

    price = snack\_menu[name]

IF name or price is NONE THEN

    SHOW warning

    RETURN

GET quantity

IF quantity <= 0 THEN

    SHOW warning

    RETURN

CALCULATE subtotal = price × quantity

ADD order to orders list

ADD subtotal to total\_revenue

DISPLAY order details in receipt\_text

CALL update\_summary()

CALL clear\_selection()

RESET coffee selection

RESET non-coffee selection

RESET snack selection

SET quantity = 1

UPDATE summary label:

total orders

total revenue

IF orders list empty THEN

SHOW warning

RETURN

GET full receipt text

CLEAR receipt\_text

FOR each line in receipt:

IF line contains "TOTAL REVENUE" THEN

INSERT line with bold style

ELSE

INSERT line normally

SHOW info message

IF orders list empty THEN

SHOW warning

RETURN

OPEN save file dialog

IF user cancel THEN

RETURN

TRY

CALL create\_pdf(file\_path)

SHOW success message

CATCH error

SHOW error message

CREATE PDF document

IF logo exists THEN

ADD logo to PDF

ADD cafe title, subtitle, address, date

CREATE table header

FOR each order in orders:

ADD order data to table

ADD table to PDF

ADD total revenue

ADD thank you message

SAVE PDF

CREATE receipt header

ADD date and address

FOR each order:

    ADD item details

ADD TOTAL REVENUE

RETURN receipt text

ASK confirmation

IF user confirms THEN

    CLEAR orders list

    SET total\_revenue = 0

    CLEAR receipt\_text

    CALL update\_summary()