```mermaid
flowchart TD
    Start([Start]) --> AskPin[Ask the User to input a Pin]
    AskPin --> PinCheck{Does the recieved pin match the user's pin?}
    PinCheck -->|No| PinOutput[Output that the pin doesn't match]
    PinOutput --> AskPin
    PinCheck -->|Yes| BalanceCheck{Is the withdrawal amount greater than the user's balance?}
    BalanceCheck -->|Yes| BalanceOutput[Output that the user's balance is too low]
    BalanceOutput --> AskWithdrawal[Ask the User to input a Withdrawal Amount]
    AskWithdrawal --> PinCheck
    BalanceCheck -->|No| End([End])
```

Start

Ask the User to input a Pin

Does the recieved pin match the user's pin?

No

Output that the pin doesn't match

Yes

Ask the User to input a Withdrawal Amount

Is the withdrawal amount greater than the user's balance?

Yes

Output that the user's balance is too low

No

End

```mermaid
flowchart TD
    Start([Start])
    Ask[/Ask the user for a list of people and their birthdays/]
    Convert1[Convert today's date to epoch time]
    MakeVar1[Make a variable for the total number of people counted]
    MakeVar2[Make a variable for the total value of people's ages]
    Decision{Are there more people in the list?}
    Convert2[Convert the person's birthday to epoch time]
    Calc1[Calculate the person's age]
    Add[Add the person's age to the total value of people's ages]
    Increase[Increase the number of people counted by one]
    CalcAvg[Calculate the average age of people in the list]
    Output[/Output each person in the list and what their age is/]
    End([End])

    Start --> Ask
    Ask --> Convert1
    Convert1 --> MakeVar1
    MakeVar1 --> MakeVar2
    MakeVar2 --> Decision
    Decision -->|Yes| Convert2
    Convert2 --> Calc1
    Calc1 --> Add
    Add --> Increase
    Increase --> Decision
    Decision -->|No| CalcAvg
    CalcAvg --> Output
    Output --> End
```

Start

Ask the user for a list of people and their birthdays

Convert today's date to epoch time

Make a variable for the total number of people counted

Make a variable for the total value of people's ages

Are there more people in the list?

- Yes → Convert the person's birthday to epoch time → Calculate the person's age → Add the person's age to the total value of people's ages → Increase the number of people counted by one → (back to "Are there more people in the list?")
- No → Calculate the average age of people in the list

Output each person in the list and what their age is

End

```
Start
  │
  ▼
Ask the user for the list of names
  │
  ▼
Are there more names in the list?
  │ Yes              │ No
  ▼                  ▼
Is this name longer than the current longest name?    Output the longest name to the user
  │ Yes      │ No                                       │
  ▼          │                                          ▼
Make this name the current longest name               End
```

Start

Ask the user for the list of names

Are there more names in the list?

No → Output the longest name to the user → End

Yes

Is this name longer than the current longest name?

Yes → Make this name the current longest name

No

Assumed by spec

Start

Set the total face value to zero

Is the total face value 17 or more?

Yes → End

No

Draw another card

What is the card?

Ace? → Add 1 to the total face value

Jacks, Queens, Kings? → Add 11 to the total face value

Number? → Add the face value of the card to the total face value