Final Project
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Milestone 4

Completed target as per the earlier plan:

- **MobileDevice class (Refactor in future if needed):**
  1) **Implemented MobileDevice constructore:**
     - Implemented all the features of constructor given in the problem statement.
     - Tested with the listed black box tests.
     - Fixed bugs encounter during testing.

  2) **Implemented recordContact():**
     - Implemented all the features of this method given in the problem statement.
     - Tested with the listed black box tests.
     - Fixed bugs encounter during testing.

  3) **Implemented positiveTest():**
     - Implemented all the features of this method given in the problem statement.
     - Tested with the listed black box tests.
     - Fixed bugs encounter during testing.

  4) **Implemented synchronizeData():**
     - Encoded MobileDevice class data in XML format.
     - Passed data to mobileContact.
     - Tested with the listed black box tests.
     - Fixed bugs encounter during testing.

- **Government Class (Refactor in future if needed):**
  1) **Implemented Government constructore:**
     - Implemented all the features of constructor given in problem statement.
     - Tested with the listed black box tests.
     - Fixed bugs encounter during testing.

2) recordTestResult():
- validate testHash (whether its alphanumeric string, or not).
- Validate 'date' parameter
- Tested with the listed black box tests.
- Fixed bugs encounter during testing.

3) Done with Database connection.

Not completed target as per the earlier plan:
- **MobileDevice class:**
Notify user if he/she has been in contact with someone who is covid-19 positive.

- **Government Class:**
  - Database: schema design. Tables and their relation.
  - SQL script to operate on tables.
  - mobileContact(), recordTestResult() and findGathering implementation.

- External documentation for implemented methods.