VBA Exercise: Build a database on Excel ant its administrator forms, please the in mind the point below:

Basic guidelines:

- It should be build using VBA only, avoid using excel formulas.
- Split the solution on different modules/functions/procedures grouping related functionalities on modules. Avoid extensive procedures/modules.
- Every variable/constant must be declared which should match to its datatypes. Avoid using undeclared/variant variables.

Solution description:

- Create a sheet on excel which will be used as database. It should have five different columns: Code, Name, date of birth, Email, Home Address. This sheet should be always hidden with no option to unhide manually just programmatically.
- Create a user form with the options below:
 - New record: it should enable the user to create new records on the database sheet, consider the points below:
 - Code: mandatory field, locked, Auto-numeric/correlative. It should automatically populate the next code based on database data. Codes correlative increments by
 1.
 - Name: mandatory field.
 - Date of birth: mandatory field, it should be validating its on date format (mm/dd/yyyy) and lower the current date.
 - Email: optional field, it should validate email format (ex: aa@aa.com) or blank.
 - Home address: optional
 - Search: it should enable the user search elements on the database sheet. It should be able
 to use Code (exact match) or Name (Contains the keywords) as search key. If Name is
 used as search key all multiple coincidences found should be displayed. The user should
 be able to edit or delete the selected record found.
 - Edit: all rules from new records applies.
 - Edit/Delete: show a confirmation box before saving changes.
 - Export data from database sheet to new excel book. It should have 2 different modes:
 - By code range: export all data between code ranges selected (ex: from 5 to 10)
 - By names Initials: export all data starting with the keyword selected.