

CCD - Clean Code Development

1. Readability :

The code is easy to read and understand because the variable and function names are self-explanatory. The functions purpose is communicated through meaningful names such as 'new_booking' and 'cancel_booking'.

2. Modularity:

The code is organized into functions called "new_booking," "cancel_booking," and "get_ground_name" which helps to facilitate the encapsulation of functionality and promote modularity.

3. Comments:

While comments are minimal, they provide explanations where necessary, aiding understanding without cluttering the code.

4. User Input Handling:

To increase robustness, the algorithm verifies user inputs for the kind and range of permissible values. Users are able to easily understand and learn from the input prompts.

5. Encapsulation of External Dependencies:

External dependencies, such as email sending using SMTP, are encapsulated within functions, promoting separation of concerns.

6. Error Handling:

The code includes error handling for scenarios where the user provides invalid inputs, preventing unexpected crashes.

7. Sensible Break Conditions:

The use of `break` statements within loops helps exit the loop when necessary, improving control flow.

8. Use of Meaningful Output:

The code provides meaningful output messages, such as "Booking successful" and "Cancellation successful," allowing users to easily understand the outcome of their actions.