An Example on COCOMO II

An IIST airline sales system is to be built in C and 20% of the code will be discarded due to requirements evolution and volatility. This is a new project and the back-end database server has been built. The project has collaborative team members and they worked before on a similar project.

At the Post-Architecture Stage:, we need 3 screens and 1 report:

1. A booking screen to record a new advertising sale booking.
2. A pricing screen showing the advertising rate for each day and each flight.
3. An availability screen showing which flights are available.
4. A sales report showing total sales for the month and year, and comparing them with previous months and years.

The booking screen requires 3 data tables, namely, the table of customer contact details, the table that records the past history of the customer, and the table of available time slots. Only 1 view of the screen is enough. So, the booking screen is classified as simple. Similarly, the levels of difficulty of the pricing screen, the availability screen and the sales report are classified as simple, simple and medium, respectively.

Note that this system requires high programmer capability.