

Assignment

Find the functional size of the case project in adjusted FP by using Albrecht's Function Point Analysis Method. Report all the intermediate steps and all the details of your estimation.

Case Study

A corporation plans to build a simple locator application to maintain information about companies interested in its function point courses. The logical grouping of *company contact data* to be maintained will include the following fields:

- company
- name of contact
- job title
- date of initial contact
- street address
- city
- state
- zip code
- phone number
- fax number

This data initially will be created when an individual indicates an interest in any course. Employees will have the capability of creating, changing, and deleting any of this information, via an online screen, using the following commands: create, update, and delete. The create and update functions will maintain all ten fields indicated. The delete function requires only the company and name of contact to be entered.

Additional fields to be included in the *company contact data* but updated with separate transactions are as follows:

- date packet sent
- date of phone contact
- notes

These fields are to be maintained by two separate elementary processes as follows:

(1) When an information packet is sent, the individual mailing the package will use a separate screen to enter company, name of contact, and the date the packet was sent, using a function key. (2) A follow-up phone call should be made within two weeks of the mailing to ensure receipt and respond questions. When this contract has been completed, the caller will use a separate screen to enter company, name of contact, date of phone contact, and notes using a function key. The date of phone contact will be used as a secondary key (a second record type) to save the multiple occurrences of information and to update the *company contact data*.

A menu driven system will be required to navigate through the system. The six functions, offering selections, will be as follows:

- Create company contact
- Retrieve company contact
- Update company contact
- Delete company contact
- Packet sent
- Phone contact completed

All of these functions except retrieve company contact were already discussed. The retrieval, prompted by the entering of company, name of contact, and a function key, will display all fields maintained in the *company contact data*.

Errors could be returned, for any of the transactions, from an externally maintained Error file, which has four fields. One of these fields contains the error messages.