Human Computer Interface

Jaylon Bohanon, Nika Tavasoly, George Tidwell

System Description

- We developed a simple, user friendly human-computer interface that allows an IT department that maintains a lot of computer images to manage the contents of multiple images and the software they contain.

- Each software may be included on multiple images, and while the code itself has the same size on all of them, the additional user data needs vary from image to image

- Software (SW) can be added to or removed from an image

- The interface is simple to avoid adding additional complexity to the problem.

- An image has:
  - a name, a list of software applications, and data needs for each application in excess of the basic software code itself; this is maintained for each one of applications in an image.

- Applications (SW) have:
  - a name, a size of the basic code, the numbers of CPU cores required from the computer, and the memory size needed to run.

- Images total data size: the sum, for each software application of their basic code size and additional data needs in this image; total size is a calculated property and should not be changed directly by the user.

System Requirements

The system shall do :

a. Add new software application

b. Modify application data

c. Delete an application

d. Add new image

e. Modify image data

f. Delete image

Team Description

- Roles and responsibilities
  - **Nika**
    - Add new software application
    - Delete an application
  - **George**
    - Modify application data
    - Add new image
  - **Jaylon**
    - Modify image data
    - Delete image

Developed Interface