**CISP21 – Programming in Java**

**Project 9 Interface Design Requirements**

* All panels must be identified and labeled
* All components must still be identified and labeled
* For GridLayout use, show the number of rows and columns defined in the setLayout statement, such as:  
  mainPanel.setLayout(new GridLayout(0, 2)
* For BorderLayout use, show the region that each component is set into
* For GridBagLayout, show the x and y coordinates of each component and the size, if more than 1 cell wide x 1 cell high

Examples:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| mainPanel (BorderLayout) | | | | | |
|  |  |  |  |  |  |
|  | ABC Company (companyNameLabel, North Region | | | |  |
|  |  |  |  |  |  |
|  |  | Name | nameTextField |  |  |
|  |  | Age | ageTextField |  |  |
|  |  | Phone | phoneTextField |  |  |
|  |  | inputPanel (Center region, uses Gridlayout (0, 2)) | |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  | mainPanel (GridBagLayout) | | | |  |
|  |  |  |  |  |  |
|  |  | (0,0) Name | (1,0) nameTextField |  |  |
|  |  | (0,1) Age | (1,1) ageTextField |  |  |
|  |  | (0,2) Phone | (1,2) phoneTextField |  |  |
|  |  | (0,3) outputTextArea (2 x 5) | |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  | (0,8) calculateButton | (1,8) clearButton |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |