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| **Component** | **Cost** | **Time** | **Comments** |
| Process Engineer | 3 hrs |  | * Changed degree of control extensively * Made sure that the PE didn’t have control over the MR and AR * Acts as an advisor to the Op as opposed to a controller |
| Workstation Operator | 2 hrs |  | * Reduced the amount of actions available * Op can only solve problems and view status updates through the UI |
| Moving Robot | 2 hrs |  | * No change * Always meant to notify Op of move * Contains alarm function |
| Assembly Robot | 2 hrs |  | * Robot concrete class which contains alarm function * Belongs to the operator class |
| Notification/Main |  |  | * Takes a fundamental role in the observer pattern * Designed to send an object to the recipient * Every time something happens, Main alerts everything else |
| Alarm |  |  | * Subset of notification, or a type of notification * Similar attributes as updates but with an assigned priority level * Added a time variable of type long with a functioning countdown timer which allows the Op to reset to any number of seconds * Op must be logged in to make changes to the alarm |
| Product Manager | 2 hrs |  | * Mostly GUI * Acts as an email system w/ popups as emails |