# Refactoring Hot Spots

## Team:

Refactoring software is a common activity that must be done when working with existing code bases. To decide where to rework an existing design you need to first understand the existing design. Reverse engineering can be done by manually examining the code base, reviewing any documentation that is available, using tools or manually extracting design artifacts, and doing metric analysis to identify potential hot spots in the code.

## Metric Analysis

Run the metric analysis on this code base. Select at least five metrics that you used to identify important hot spots. Complete the table below for each of the metrics that you selected.

|  |  |  |  |
| --- | --- | --- | --- |
| **Metric** | **Value** | **Hot spot area in code base** | **Potential refactoring** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## Other Analysis

Using code and documentation inspection, and extracting design artifacts from the code base, list the hot spots that you found and the potential refactoring to address the problem that you identified.

|  |  |  |
| --- | --- | --- |
| **Hot spot area in code base** | **Evidence found** | **Potential refactoring** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |