**Semester Project Checklist**

|  |  |  |
| --- | --- | --- |
| **Item** | **Points** | **Done** |
|  |  |  |
| **PL theory** | **74** |  |
| **Comparison to C++, Java, Python, and/or Scala** | **26** |  |
| Philosophy | **3** |  |
| Location it is used | **3** |  |
| Where it excels, where it fails (4 each) | **8** |  |
| Portability, simplicity, orthogonality, reliability (3 each) | **12** |  |
| **Syntax, OOP** | **16** |  |
| Q1 | **4** |  |
| Q2 | **4** |  |
| Q3 | **4** |  |
| Q4 | **4** |  |
| **Parsing, binding, type system, and data type range** | **16** |  |
| Q1 | **4** |  |
| Q2 | **4** |  |
| Q3 | **4** |  |
| Q4 | **4** |  |
| **Function/OOP/specialties** | **16** |  |
| Q1 | **4** |  |
| Q2 | **4** |  |
| Q3a | **4** |  |
| Q3b | **4** |  |
| **Sample code** | **75** |  |
| Code # of files that meet the ideas of the SOLID principles | **20** |  |
| Required # of distinct pieces of functionality | **20** |  |
| Required # of functions | **20** |  |
| Basic usage code (-2 for minor issue) | **15** |  |
| **Pitch** | **26** |  |
| Language version | **2** |  |
| Philosophy | **3** |  |
| Why should it be used | **3** |  |
| Where it is commonly use (or would like to see it used) | **2** |  |
| Basic usage of the language | **3** |  |
| The problem | **2** |  |
| Why it should or should not be used to solve the problem | **3** |  |
| List of ALL features implemented | **2** |  |
| Code **for your “problem,”** ***running,*** with all pieces of functionality | **6** |  |