**bytecast-fsys Spiral 1 A-Specifications**

**Purpose:**  
The purpose of bytecast-fsys is to provide an interface that parses executable object files and returns binary assembly data, dependency information, and segment metadata to the user.

**Requirements:**

1. Shall read a binary a.out file in the ELF-amd64 file format generated from the following piece of C code:

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11 | #include <stdio.h>  int main(int argc, char\* argv[])  {  if(argv[0]=="1")  printf("%s", argv[1]);  else  printf("%s",argv[2]);  return 0;  } |

1. Shall output an object that contains segment binary content, addresses, and label.
2. Shall output an object that contains the dependency metadata.
3. Shall provide an interface to the bytecast-amd64 subsystem.
4. Shall be written in Java.
5. Shall follow coding standards provided.