General Code Skeleton

- The code is divided into two classes namely
  1. Repository
  2. Safety monitors
- **Repository** is the central component in the architecture. It contains knowledge for deployment.
- The safety monitors are detected and transfers information to other components for deployment.
- It also notifies about the changes in repository to all other components in the system.
- **Safety Monitor** class perform selection of the safety monitor followed by finding the suitable platform and deploying them.

- It contains get-acceptable-platform() which returns platform that satisfy the given requirements by means of Constraint Satisfaction Problem (CSP).
- CSP is implemented using MiniZinc(mzn) library - python based.
- The requirements are formulated into suitable constraints and platforms that satisfy the given constraints will be selected.
- Finally the safety monitor will be deployed in the selected platform using deploy().
- **Code - GitHub**