Summary:
Given two projects you need to determine whether they are mergeable, and if so, what type of merge is required (FFM or 3-Way Merge).

Notation:
MRCA, LL, RL defined in "Terms for Merging"
Predicate := boolean function

Predicate 1
Mergeable_predicate: project -> project -> Boolean
- Given two projects, are they mergeable?
  - Things to check (TO FILL IN)
    - Are project id's equal (if you init and then clone a project, the project ids are the same)

Predicate 2
FFM_predicate: project -> project -> Boolean
- Given two projects that are mergeable, can we perform a Fast Forward Merge?
  - Things to check (TO FILL IN)
    - MRCA == LL

Predicate 3
3WM_predicate: project -> project -> Boolean
- Given two projects that are mergeable, but not FFM-able, can we perform a three way merge?
  - Things to check (TO FILL IN)
    - MRCA != LL

ZL thinks that these methods should be implemented in the functionality module of merging.