```
// ========= ActionInitialization.cc Class ==================
//
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// Modified by Darren Holland 2020-11-02
//
// This file calls/initializes the following classes:
     - B4PrimaryGeneratorAction
//
     - B4RunAction
//
//
     - B4aEventAction
//
    - B4aSteppingAction
//
#include "B4aActionInitialization.hh"
#include "B4PrimaryGeneratorAction.hh"
#include "B4RunAction.hh"
#include "B4aEventAction.hh"
#include "B4aSteppingAction.hh"
// Function to create class
B4aActionInitialization::B4aActionInitialization()
: G4VUserActionInitialization()
{}
// Function to destroy class when finished
B4aActionInitialization::~B4aActionInitialization()
{}
void B4aActionInitialization::BuildForMaster() const
 SetUserAction(new B4RunAction);
}
void B4aActionInitialization::Build() const
 // Initialize particle generator
 SetUserAction(new B4PrimaryGeneratorAction);
 // Start run (each "global" run is a given source position)
 B4RunAction* runAction = new B4RunAction();
 SetUserAction(runAction);
 // Find events for a local run (single particle) and record total energy
deposited in detector
 B4aEventAction* eventAction = new B4aEventAction(runAction);
 SetUserAction(eventAction);
 // Step through local run
 SetUserAction(new B4aSteppingAction(eventAction));
 // Nothing occurs after stepaction, and so it loops back to the event action
}
```