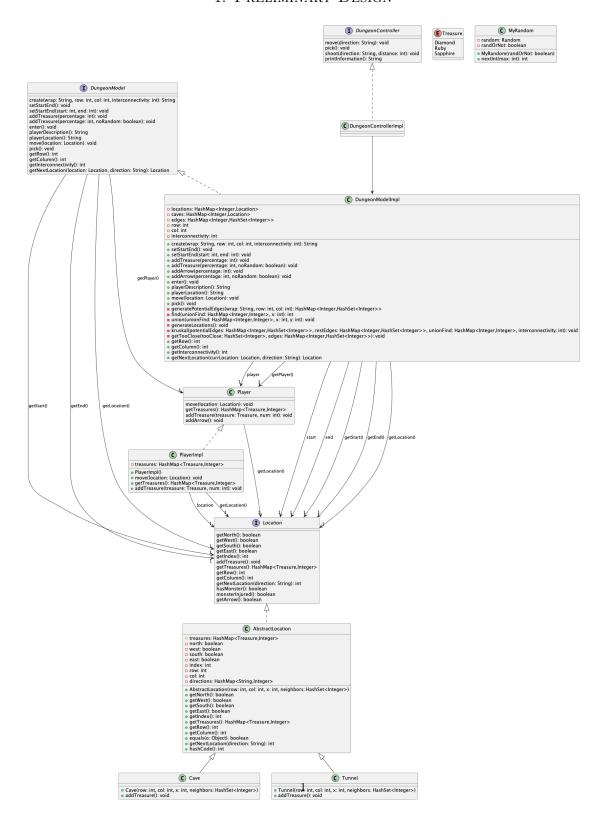
1. Preliminary Design



Method Input

addArrow Percentage of location with arrow shoot Specify direction and distance

move String of direction

printInformation Nothing pick Nothing

Expected

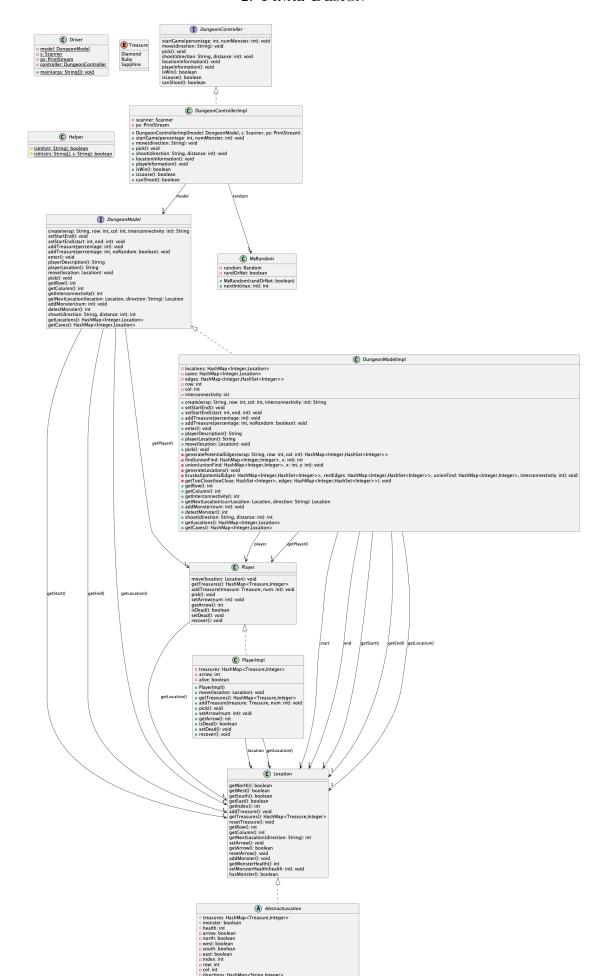
Correct percentage

Hurt monster if there exists

Controller moves model successfully

Controller successfully print information Controller control model to pick arrow as

2. Final Design



Method monster at end monster added smell of 1 monster smell of 2 monster add arrow pick arrow shoot arrow arrow travel through locations arrow miss monster player killed can survive if monster is injured kill monster controller move controller pick controller shoot

Input NA 1 NA NA 1 NA direction, distance direction, distance direction, distance enter a location with monster repeat 100 times shoot twice direction pick direction, distance

Expected monster is at end 1 monster is added to model less smell of a monster strong smell of 2 monster 1 arrow is added player can pick up arrow player shoot at specified direct successful travel correct direction with wrong player dead may survive monster killed move to specified direction successfully pick controller shoot success