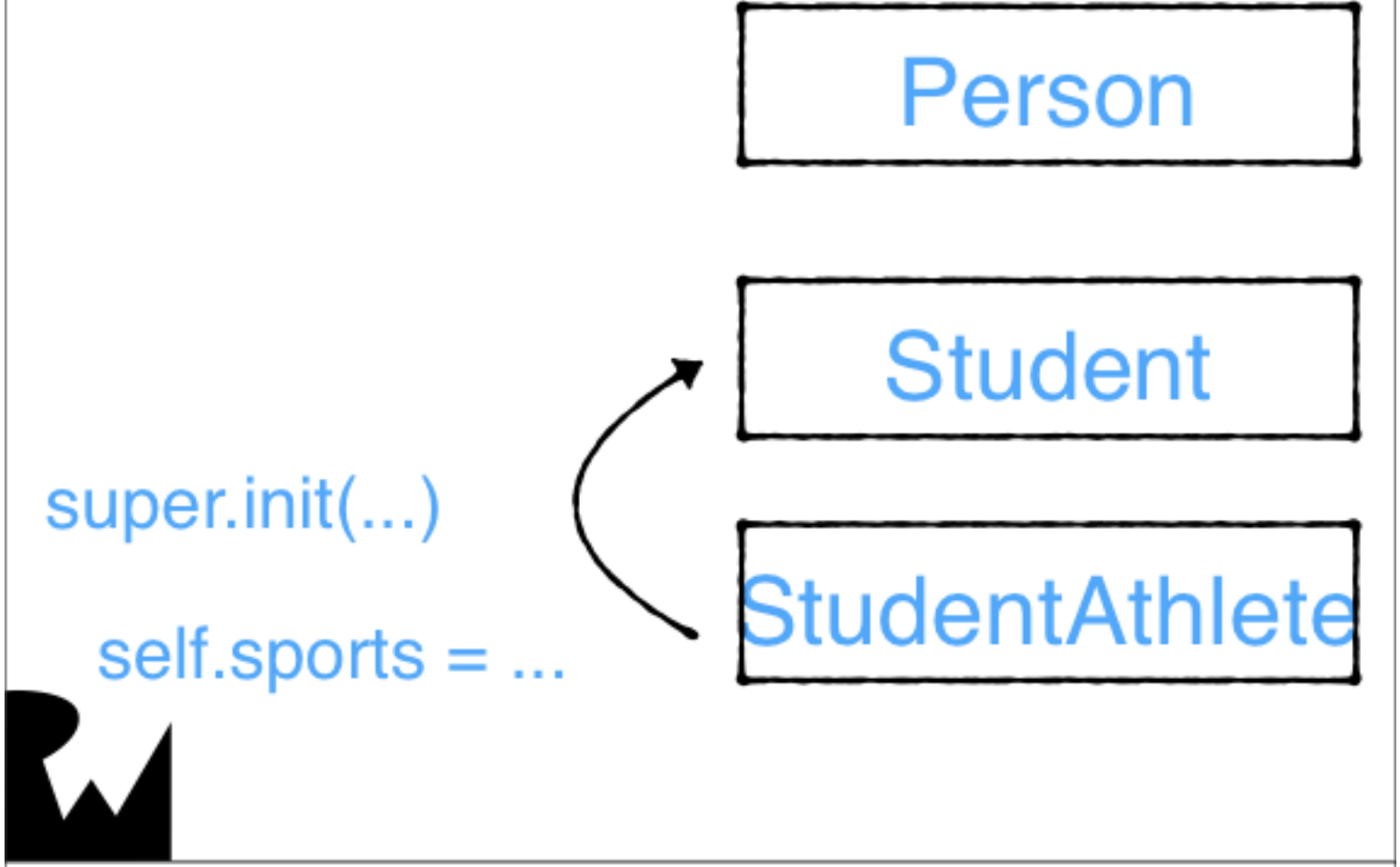
# PROGRAMMING IN SWIFT

## PART 6

# CLASSES

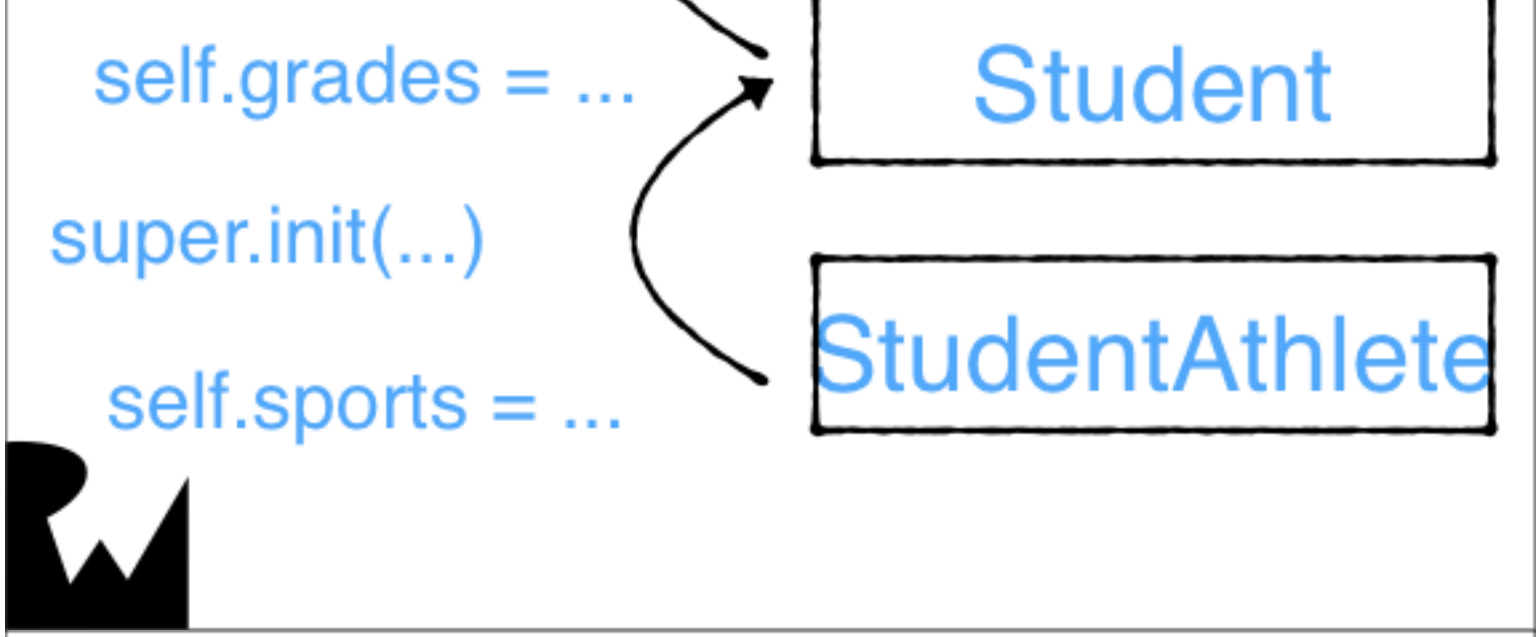
## INITIALIZERS

### PHASE 1

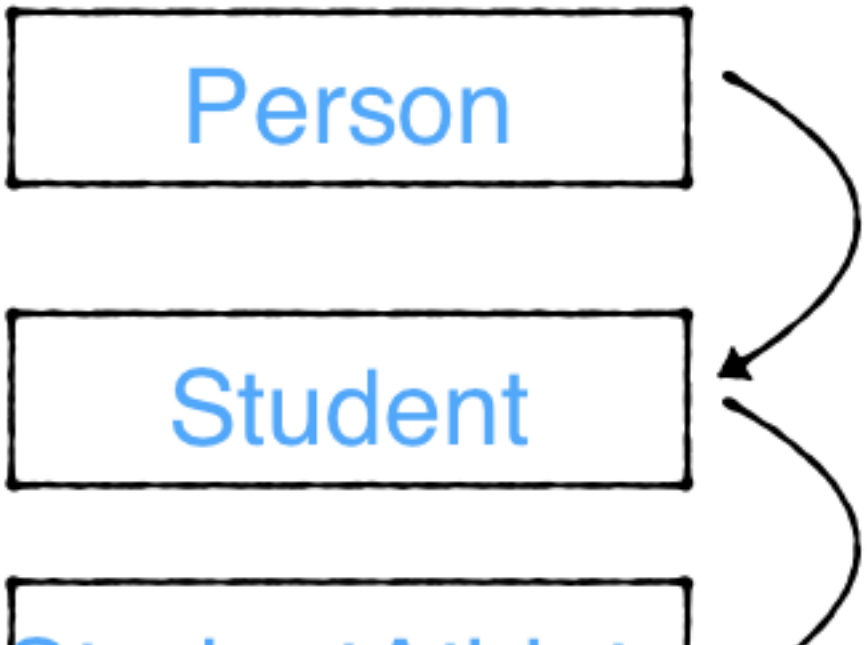

Person
Student
StudentAthlete
super.init(...)
self.sports = ...

## PHASE 1

self.firstName = ...
self.lastName = ...
Person
super.init(...)


self.grades = ...
super.init(...)
self.sports = ...
Student
StudentAthlete

## PHASE 2


Person
Student

StudentAthlete

recordGrade(...)

## Designated vs. Convenience Initializers

- **DI** must call a DI from its immediate superclass
- **CI** must call another initializer from the same class
- **CI** must ultimately call a DI