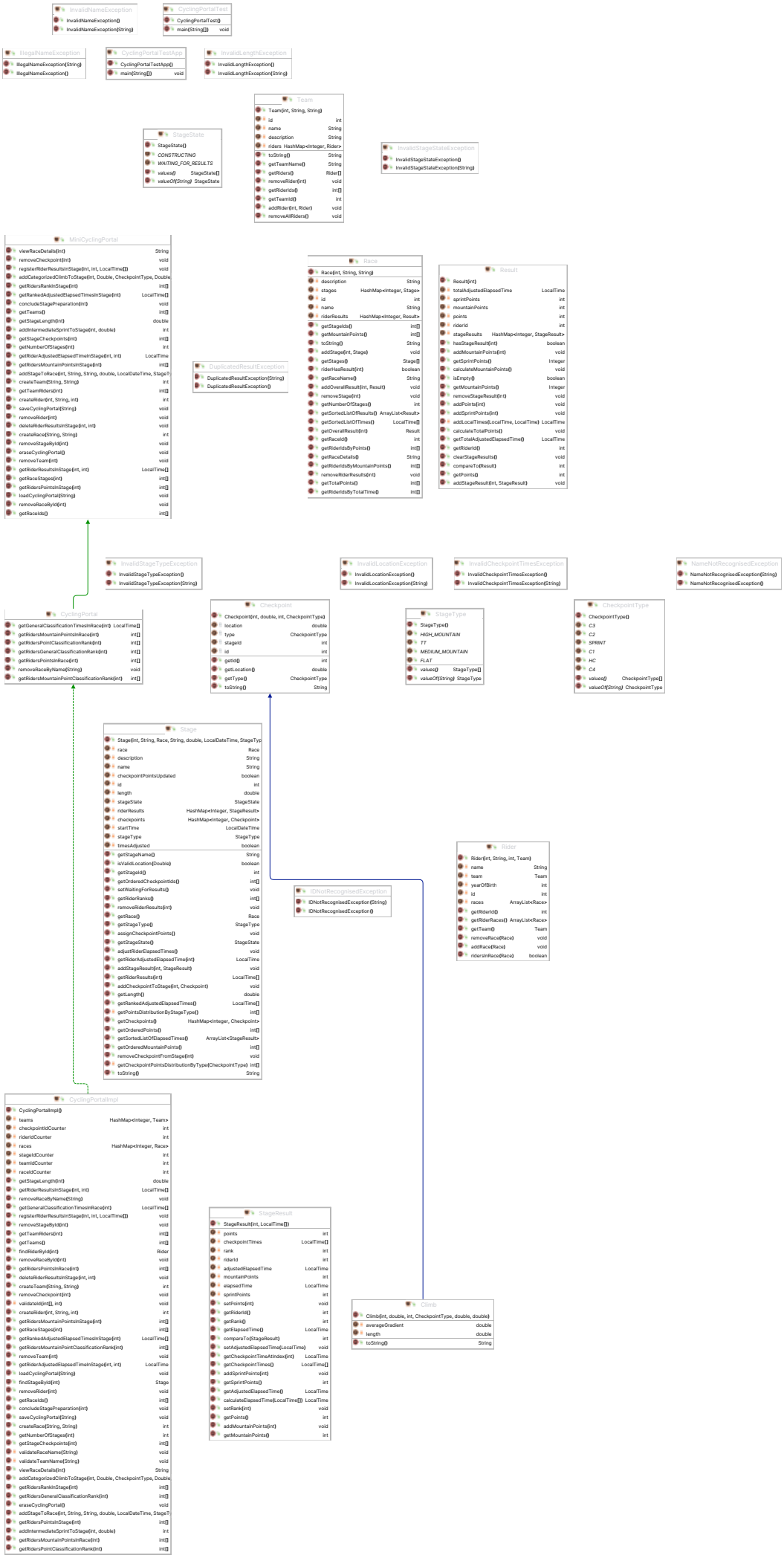
InvalidNameException
InvalidNameException()
InvalidNameException(String)
CyclingPortalTest
CyclingPortalTest()
main(String[]) void
IllegalNameException
IllegalNameException(String)
IllegalNameException()
CyclingPortalTestApp
CyclingPortalTestApp()
main(String[]) void
InvalidLengthException
InvalidLengthException()
InvalidLengthException(String)
Team
Team(int, String, String)
id int
name String
description String
riders HashMap<Integer, Rider>
toString() String
getTeamName() String
getRiders() Rider[]
removeRider(int) void
getRiderIds() int[]
getTeamId() int
addRider(int, Rider) void
removeAllRiders() void
StageState
StageState()
CONSTRUCTING
WAITING_FOR_RESULTS
values() StageState[]
valueOf(String) StageState
InvalidStageStateException
InvalidStageStateException()
InvalidStageStateException(String)
MiniCyclingPortal
viewRaceDetails(int) String
removeCheckpoint(int) void
registerRiderResultsInStage(int, int, LocalTime[]) void
addCategorizedClimbToStage(int, Double, CheckpointType, Double
getRidersRankInStage(int) int[]
getRankedAdjustedElapsedTimesInStage(int) LocalTime[]
concludeStagePreparation(int) void
getTeams() int[]
getStageLength(int) double
addIntermediateSprintToStage(int, double) int
getStageCheckpoints(int) int[]
getNumberOfStages(int) int
getRiderAdjustedElapsedTimeInStage(int, int) LocalTime
getRidersMountainPointsInStage(int) int[]
addStageToRace(int, String, String, double, LocalDateTime, StageT
createTeam(String, String) int
getTeamRiders(int) int[]
createRider(int, String, int) int
saveCyclingPortal(String) void
removeRider(int) void
deleteRiderResultsInStage(int, int) void
createRace(String, String) int
removeStageById(int) void
eraseCyclingPortal() void
removeTeam(int) void
getRiderResultsInStage(int, int) LocalTime[]
getRaceStages(int) int[]
getRidersPointsInStage(int) int[]
loadCyclingPortal(String) void
removeRaceById(int) void
getRaceIds() int[]
DuplicatedResultException
DuplicatedResultException(String)
DuplicatedResultException()
Race
Race(int, String, String)
description String
stages HashMap<Integer, Stage>
id int
name String
riderResults HashMap<Integer, Result>
getStageIds() int[]
getMountainPoints() int[]
toString() String
addStage(int, Stage) void
getStage() Stage[]
riderHasResult(int) boolean
getRaceName() String
addOverallResult(int, Result) void
removeStage(int) void
getNumberOfStages() int
getSortedListOfResults() ArrayList<Result>
getSortedListOfTimes() LocalTime[]
getOverallResult(int) Result
getRaceId() int
getRiderIdsByPoints() int[]
getRaceDetails() String
getRiderIdsByMountainPoints() int[]
removeRiderResults(int) void
getTotalPoints() int[]
getRiderIdsByTotalTime() int[]
Result
Result(int)
totalAdjustedElapsedTime LocalTime
sprintPoints int
mountainPoints int
points int
riderId int
stageResults HashMap<Integer, StageResult>
hasStageResult(int) boolean
addMountainPoints(int) void
getSprintPoints() Integer
calculateMountainPoints() void
isEmpty() boolean
getMountainPoints() Integer
removeStageResult(int) void
addPoints(int) void
addSprintPoints(int) void
addLocalTimes(LocalTime, LocalTime) LocalTime
calculateTotalPoints() void
getTotalAdjustedElapsedTime() LocalTime
getRiderId() int
clearStageResults() void
compareTo(Result) int
getPoints() int
addStageResult(int, StageResult) void
InvalidStageTypeException
InvalidStageTypeException()
InvalidStageTypeException(String)
InvalidLocationException
InvalidLocationException()
InvalidLocationException(String)
InvalidCheckpointTimesException
InvalidCheckpointTimesException()
InvalidCheckpointTimesException(String)
NameNotRecognisedException
NameNotRecognisedException(String)
NameNotRecognisedException()
CyclingPortal
getGeneralClassificationTimesInRace(int) LocalTime[]
getRidersMountainPointsInRace(int) int[]
getRidersPointClassificationRank(int) int[]
getRidersGeneralClassificationRank(int) int[]
getRidersPointsInRace(int) int[]
removeRaceByName(String) void
getRidersMountainPointClassificationRank(int) int[]
Checkpoint
Checkpoint(int, double, int, CheckpointType)
location double
type CheckpointType
stageId int
id int
getId() int
getLocation() double
getType() CheckpointType
toString() String
StageType
StageType()
HIGH_MOUNTAIN
TT
MEDIUM_MOUNTAIN
FLAT
values() StageType[]
valueOf(String) StageType
CheckpointType
CheckpointType()
C3
C2
SPRINT
C1
HC
C4
values() CheckpointType[]
valueOf(String) CheckpointType
Stage
Stage(int, String, Race, String, double, LocalDateTime, StageTyp
race Race
description String
name String
checkpointPointsUpdated boolean
id int
length double
stageState StageState
riderResults HashMap<Integer, StageResult>
checkpoints HashMap<Integer, Checkpoint>
startTime LocalDateTime
stageType StageType
timesAdjusted boolean
getStageName() String
isValidLocation(Double) boolean
getStageId() int
getOrderedCheckpointIds() int[]
setWaitingForResults() void
getRiderRanks() int[]
removeRiderResults(int) void
getRace() Race
getStageType() StageType
assignCheckpointPoints() void
getStageState() StageState
adjustRiderElapsedTimes() void
getRiderAdjustedElapsedTime(int) LocalTime
addStageResult(int, StageResult) void
getRiderResults(int) LocalTime[]
addCheckpointToStage(int, Checkpoint) void
getLength() double
getRankedAdjustedElapsedTimes() LocalTime[]
getPointsDistributionByStageType() int[]
getCheckpoints() HashMap<Integer, Checkpoint>
getOrderedPoints() int[]
getSortedListOfElapsedTimes() ArrayList<StageResult>
getOrderedMountainPoints() int[]
removeCheckpointFromStage(int) void
getCheckpointPointsDistributionByType(CheckpointType) int[]
toString() String
IDNotRecognisedException
IDNotRecognisedException(String)
IDNotRecognisedException()
Rider
Rider(int, String, int, Team)
name String
team Team
yearOfBirth int
id int
races ArrayList<Race>
getRiderId() int
getRiderRaces() ArrayList<Race>
getTeam() Team
removeRace(Race) void
addRace(Race) void
ridersInRace(Race) boolean
CyclingPortalImpl
CyclingPortalImpl()
teams HashMap<Integer, Team>
checkpointIdCounter int
riderIdCounter int
races HashMap<Integer, Race>
stageIdCounter int
teamIdCounter int
raceIdCounter int
getStageLength(int) double
getRiderResultsInStage(int, int) LocalTime[]
removeRaceByName(String) void
getGeneralClassificationTimesInRace(int) LocalTime[]
registerRiderResultsInStage(int, int, LocalTime[]) void
removeStageById(int) void
getTeamRiders(int) int[]
getTeams() int[]
findRiderById(int) Rider
removeRaceById(int) void
getRidersPointsInRace(int) int[]
deleteRiderResultsInStage(int, int) void
createTeam(String, String) int
removeCheckpoint(int) void
validateId(int[], int) void
createRider(int, String, int) int
getRidersMountainPointsInStage(int) int[]
getRaceStages(int) int[]
getRankedAdjustedElapsedTimesInStage(int) LocalTime[]
getRidersMountainPointClassificationRank(int) int[]
removeTeam(int) void
getRiderAdjustedElapsedTimeInStage(int, int) LocalTime
loadCyclingPortal(String) void
findStageById(int) Stage
removeRider(int) void
getRaceIds() int[]
concludeStagePreparation(int) void
saveCyclingPortal(String) void
createRace(String, String) int
getNumberOfStages(int) int
getStageCheckpoints(int) int[]
validateRaceName(String) void
validateTeamName(String) void
viewRaceDetails(int) String
addCategorizedClimbToStage(int, Double, CheckpointType, Double
getRidersRankInStage(int) int[]
getRidersGeneralClassificationRank(int) int[]
eraseCyclingPortal() void
addStageToRace(int, String, String, double, LocalDateTime, StageT
getRidersPointsInStage(int) int[]
addIntermediateSprintToStage(int, double) int
getRidersMountainPointsInRace(int) int[]
getRidersPointClassificationRank(int) int[]
StageResult
StageResult(int, LocalTime[])
points int
checkpointTimes LocalTime[]
rank int
riderId int
adjustedElapsedTime LocalTime
mountainPoints int
elapsedTime LocalTime
sprintPoints int
setPoints(int) void
getRiderId() int
getRank() int
getElapsedTime() LocalTime
compareTo(StageResult) int
setAdjustedElapsedTime(LocalTime) void
getCheckpointTimeAtIndex(int) LocalTime
getCheckpointTimes() LocalTime[]
addSprintPoints(int) void
getSprintPoints() int
getAdjustedElapsedTime() LocalTime
calculateElapsedTime(LocalTime[]) LocalTime
setRank(int) void
getPoints() int
addMountainPoints(int) void
getMountainPoints() int
Climb
Climb(int, double, int, CheckpointType, double, double)
averageGradient double
length double
toString() String