## MiniCyclingPortal

- + getRacelds(): int array + createRace(String, String): int
- + viewRaceDetails(int): String
- + removeRaceById(int): void
- + getNumberOfStages(int): int
- + addStageToRace(int, String, String, double,

LocalDateTime, StageType): int

- + getRaceStages(int): int array
- + getStageLength(int): double
- + removeStageById(int): void
- + addCategorizedClimbToStage(int, Double,

- CheckpointType, Double, Double): int + addIntermediateSprintToStage(int, double): int
- + removeCheckpoint(int): void
- + concludeStagePreparation(int): void
- + getStageCheckpoints(int): int array
- + createTeam(String, String): int
- + removeTeam(int): void
- + getTeams(): int array
- + getTeamRiders(int): int array
- + createRider(int, String, int): int
- + removeRider(int): void
- $+\ register Rider Results In Stage (int,\ int,\ Local Time):\ void$
- + getRiderResultsInStage(int, int): LocalTime array
- + getRiderAdjustedElapsedTimeInStage(int, int): LocalTime
- + deleteRiderResultsInStage(int, int): void
- + getRidersRankInStage(int): int array
- + getRankedAdjustedElapsedTimeInStage(int): LocalTime
- + getRidersPointsInStage(int): int array
- + getRidersMountainPointsInStage(int): int array
- + eraseCyclingPortal(): void
- + saveCyclingPortal(String): void + loadCyclingPortal(String): void



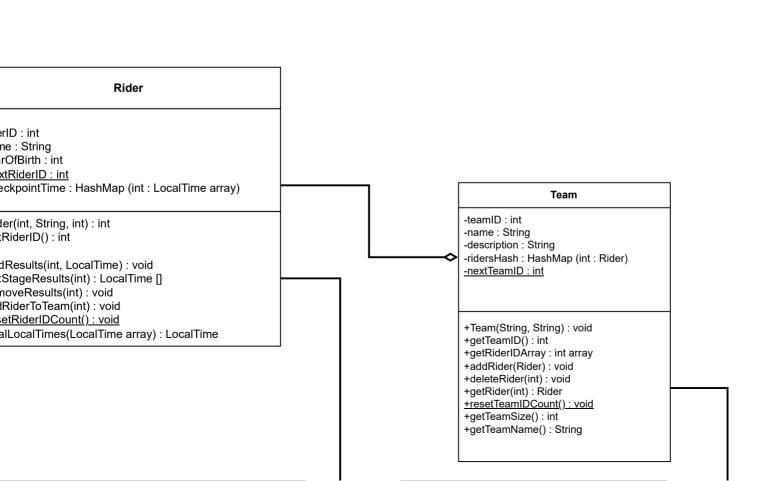
## CyclingPortal

- + removeRaceByName(String): void
- + getRiderGeneralClassificationRank(int): int array
- + getGeneralClassificationTimesInRace(int): LocalTime array
- + getRidersPointsInRace(int): int array

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## Checkpoint

stageID : intcheckpointID : intlocation : Doubletype : CheckpointType

- length : Double

- riderTimesHash : HashMap (int : LocalTime)

- raceID : int

averageGradient : DoublenextCheckpointID : int

+ Checkpoint(int, int, String, Double, Double, CheckpointType)

- Checkpoint(int, int, String, Double, CheckpointType)

+ getCheckpointType(): CheckpointType

+ getCheckpointLocation() : Double

+getAverageGradient

+ addRiderCheckpointTime(int, LocalTime) : void

+ getRiderCheckpointTime(int) : LocalTime

+ removeRiderCheckpointTime(int) : void

+ getCheckpointID : int

+ getCheckpointLength : Double + resetCheckpointIDCount : void - stageID : int

- raceID : int

- stageName : String - description : String

- length : Double

- startTime : LocalDate

stageType : StageTynextStageID : int

stageState : StringcheckpointIDHash : I

- riderTimesHash : Ha

+ Stage(int, String, Str

+ getStageLength: Do

+ getStageType() : Sta

+ getStageName(): S

+ getStageDescription

+ getStageID() : int

+ getStageState(String

- addCheckpointToHas

+ addCheckpoint(Che

+ getCheckpoint(int):

+ removeCheckpoint(i

+ getStageCheckpoint

+ setStageState(String

- returnAllCheckpoints

+ setCheckpointTimes

+ totalCheckpointTime

- checkName(String) :

+ addRiderStageTime

+ getRiderStageTime(

+ removeRiderStageT

+ getRiderIDsInStage(

getOrderedCheckpoisetRiderrStageTime

- resetStageIDCount()

+ findIntermediateSpri

