Class Diagrams

BadCyclingPortalImpl

- getRaceIds(): int[]
- createRace(): int
- viewRaceDetails(): String
- removeRaceById(): void
- getNumberOfStages(): int
- addStageToRace(): int
- getRaceStages(): int[]
- getStageLength(): double
- removeStageById(): void
- addCategorizedClimbToStage():int
- addIntermediateSprintToStage(): int
- removeCheckpoint(): void
- concludeStagePreparation(): void
- getStageCheckpoints(): int
- createTeam(): int
- removeTeam(): void
- getTeamRiders(): int[]
- createRider(): int
- removeRider(): void
- registerRiderResultsInStage(): void
- getRiderResultsInStage(): LocalTime[]
- getRiderAdjustedElapsedTimeInStage(): LocalTime
- deleteRiderResultsInStage(): void
- getRidersRankInStage(): int[]
- getRankedAdjustedElapsedTimeInStage(): LocalTime[]
- getRidersPointsInStage(): int[]
- getRidersMountainPointsInStage(): int[]
- eraseCyclingPortal(): void
- saveCyclingPortal(): void
- loadCyclingPortal(): void
- removeRaceByName(): void
- getGeneralClassificationTimesInRace(): int[]
- getRidersPointsInRace(): int[]
- getRidersGeneralClassificationRank(): int[]
- getRidersPointClassificationRank(): int[]
- getRidersMountainPointClassificationRank(): int[]

Race

- race_name: String

- description: String

- race_id: int

- stages<ArrayList>: Stage

- riders[]: Riders

- races[]: Race

- getStages(): Stage

- setStages(): void

- getRace_id(): int

- getRace(): Race

- getRaceByName(): Race

Teams

- team_id: int

- team_name: String

- team_description: String

- team_riders<ArrayList>: Riders

- teams[]: Teams

- getTeam_name(): String

getTeam_riders(): Riders

- getTeam(): Teams

Riders

- name: String

- team_id: int

- id: int

- yearofbirth: int

- riders[]: Riders

- startTime: LocalTime

- finishTime: LocalTime

- results[]: Results

totalElapsedTime: LocalTime

- getId(): int

- getRider(): Riders

Results

- riders[]: Riders

- checkpoints[]: Checkpoint

- stages[]: Stage

- elapsedTimes[]: LocalTimes

- sumLocalTimes(): LocalTime

- covertToTotalSecondsArray(): int[]

Stage

- stageID: int

- stageType: StageType

- stageName: String

- description: String

- startTime: LocalDateTime

- stage_length: double

- active_status: boolean

- finish_state: boolean

- riders[]: Rider

- checkpoints<ArrayList>: CheckPoint

- stages[]: Stage

- getStage(): Stage

- getStageId(): int

- setStageId(): void

getStage_Length(): double

- setStage_Length(): void

- getStage_type(): StageType

getActiveStatus(): boolean

getCheckpoints(): Checkpoints

stagePoints(): int[]

Checkpoint

- checkpoint_id: int

- checkpointType: CheckpointType

- location: double

- averageGradient: double

- length: double

- riders[]: Riders

- checkpoints[]: Checkpoint

- getCheckpoint_id(): int

- getRiders(): Riders[]

- checkpointSpringPoints(): int[]

- C4Points(): int[]

- C3Points(): int[]

- C2Points(): int[]

- C1Points(): int[]

- HCPoints(): int[]

- getCheckpoint(): Checkpoint