

## Cover Sheet

**Split:** 50/50

Student 1: 730006722

Student 2: 730055668

### Development Log:

26/02/24 (13:00-15:00):

Went through the coursework specification, and the starter code. We figured out what classes we had to work on and allocated time slots on Mondays and Thursdays to work on it together. We also decided to use VScode.

29/02/24 (14:00-16:00):

Student 1: Driver

Student 2: Navigator

Worked on methods `getRaceIds`, `createRace` and `viewRaceDetails`.

04/03/24 (13:00-15:15):

Student 1: Navigator

Student 2: Driver

Worked on methods `removeRaceById`, `getNumberOfStages` and `addStageToRace`. Began creating `Stage` class.

07/03/24 (14:10-16:20):

Student 1: Driver

Student 2: Navigator

Completed `Stage` class. Worked on methods `getRaceStages`, `getStageLength` and `removeStageById`.

11/03/24 (13:15-15:00):

Student 1: Navigator

Student 2: Driver

Worked on methods `addCategorizedClimbToStage` and `addIntermediateSprintToStage`. Began working on the `Checkpoint` class.

14/03/24 (14:00-18:20):

Student 1: Driver

Student 2: Navigator

Completed `Checkpoint` class. Worked on methods `removeCheckpoint`, `concludeStagePreparation`, `getStageCheckpoints`, `createTeam`, `removeTeam`, and `getTeams`.

17/03/24 (13:20-16:10):

Student 1: Navigator

Student 2: Driver

Worked on methods `getTeamRiders`, `createRider`, and `removeRider`. Completed class `Team`.

18/03/24 (12:10-15:25):

Student 1: Driver

Student 2: Navigator

Worked on methods `registerRiderResultsInStage` and `getRiderAdjustedElapsedTimeInStage`. Completed class `Rider`.

19/03/24 (17:35-21:40):

Student 1: Navigator

Student 2: Driver

Finished working on the method `getRiderAdjustedElapsedTimeInStage` and began working on class `Result` and methods `deleteRiderResultsInStage`, `getRidersRankInStage`, and `getRankedAdjustedElapsedTimesInStage`.

21/03/24 (14:30-19:40):

Student 1: Driver

Student 2: Navigator

Completed methods `getRidersPointsInStage`, `getRidersMountainPointsInStage`, `eraseCyclingPortal`, `saveCyclingPortal`, `loadCyclingPortal`, `removeRaceByName`, and `getGeneralClassificationTimesInRace`.

23/03/24 (15:20-20:40):

Student 1: Navigator

Student 2: Driver

Completed methods `getRidersPointsInRace`, `getRidersMountainPointsInRace`, `getRidersGeneralClassificationRank`, `getRidersPointClassificationRank` and `getRidersMountainPointClassificationRank`.

24/03/24 (14:00-19:10):

Student 1: Driver

Student 2: Navigator

Completed methods `isAdjustedTimeNeeded`, `adjustElapsedTime`, `calculatePoints`, `calculateMountainPoints`, `getRiderPositionInStage`, `calculateRiderPointsInRace` and `getRidersInRace`.

25/03/24 (15:30-19:00):

Completed class `Race`, `RiderPoints`, and `RiderMountainPoints`. Began testing and came across errors in `CreateRace`, `RemoveRaceById`, `CreateRider`, and `RiderResultInStage`. Worked on all errors and fixed nearly all mistakes.

26/03/24 (16:20-20:35):

Fixed the last errors and went through all the code together making sure everything worked and comments were all sorted. Began working on the class diagram.

27/03/24 (15:30-21:00): Completed Class diagram, did the last check of all code, comments, and class diagram and repeated testing one last time. Made Javadoc and completed compiling JAR package.