NAME: AHMED NAWAZ

REG NO: SP23-BSE-059

Name: Ahmed Namaz (5B) Reg no- SP23-BSE-059 Use case Smart travelling for management system Smart travelling Management system self driving to destination (suggestions) car owner / Citizens Real time Location Tracking Family Member

	(5B) Namer Ahmed Nawaz Regnoir SP23-BSE-059
Co	Communication I pick the UC Self driving to destination" Young [smort travel] (sensor system) (control distant) request destination: calculate: request destination: calculate:
	sensors sensors sensors start driving (route) get bive status updatel); sensor datal) status updatel);
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PRINCIPLES WE USED ARE FOR ARCHITECTURE STYLES:

- Layered Architecture (N-Tier Architecture)
- Presentation Layer: Main.java (user interface via console).
- Controller Layer: TravelController.java handles user requests and coordinates between service and UI.
- Service Layer: TravelService.java contains the business logic (trip management, status updates).
- Data (Model) Layer: TravelRequest.java and TravelStatus.java are the data transfer objects.
- **⊘** Benefits:
- Separation of concerns
- Easy to maintain and test

Scalability and flexibility for enhancements