Sequence diagram-Feedback & Earnings Settlement

Passsenger | **MobileApp** | **SpringBoot backend** | **MySQL Database** | **Earning service** | **Firebase notifications** | **Admin web**

Passsenger → MobileApp: Submit trip rating and feedback

MobileApp → SpringBoot backend: Send rating and feedback data

SpringBoot backend → MySQL Database: Store rating and feedback

MySQL Database --> SpringBoot backend: Confirmation of save

SpringBoot backend → Earning service: Calculate driver net earnings(fare-commission)

Earning service → MySQL Database: Retrieve trip fare and commision data

MySQL Database --> Earning service: Fare and commision details

Earning service --> SpringBoot backend: Calculated net earnings

SpringBoot backend → MySQL Database: Update driver's earnings dashboard with net earnings

MySQL Database --> SpringBoot backend: Earnings updated confirmation

SpringBoot backend → Firebase notifications: Send earnings update notification to driver

Firebase notifications --> SpringBoot backend: Notification sent

SpringBoot backend → Admin web: Update driver earnings dashboard UI

Admin web --> SpringBoot backend: Dashboard updated confirmation

SpringBoot backend → MobileApp: Acknowlegde feedback and earnings update

MobileApp → Passsenger: Display successful message