RideNow API 接口文档

1. 用户服务 (service-user)

1.1 认证接口

API	Method	Request	Response	Description
/api/user/login	POST	username, password	token, userId, username, role	用户登录
/api/user/register	POST	username, password, phone, email, nickname	userId, username, message	用户注册
/api/user/info	GET	userId (query)	id, username, phone, email, nickname, role, roles[]	获取用户信息

1.2 用户管理接口

API	Method	Request	Response	Description
/api/user/update/{userId}	POST	userId (path), userInfo (body)	success	更新用户信息
/api/user/change-password/{userId}	POST	userId (path), oldPassword, newPassword	success	修改密码

2. 司机服务 (service-driver)

2.1 司机基础管理

API	Method	Request	Response	Description
/api/driver/add	POST	Driver对象	success, message, driverId	添加司机
/api/driver/delete	DELETE	driverId (query)	success, message, driverId	删除司机
/api/driver/update	PUT	Driver对象	success, message, driverId, updatedFields	修改司机信息
/api/driver/get	GET	driverId (query)	success, message, data	查询司机信息
/api/driver/is-driver	GET	userId (query)	boolean	判断用户是否为司机

2.2 司机位置与状态

API	Method	Request	Response	Description

API	Method	Request	Response	Description
/api/driver/updateLocation	PUT	driverId, lng, lat	success, message, driverId, longitude, latitude, asyncTip	更新司机位置（异步 RabbitMQ）
/api/driver/online	PUT	driverId, lng, lat	success, message, driverId, longitude, latitude, timestamp	司机上线
/api/driver/offline	PUT	driverId (query)	success, message, driverId, locationRemoved, timestamp	司机下线
/api/driver/online/check	GET	driverId (query)	success, driverId, isOnline, hasLocation, longitude, latitude	检查司机是否在线
/api/driver/online/list	GET	-	success, message, count, data[]	查询所有在线司机

2.3 司机搜索

API	Method	Request	Response	Description
/api/driver/searchNearby	GET	lng, lat, radius (默认5000)	success, count, data[], message	搜索附近司机（GET方式）
/api/driver/searchNearby	POST	lng, lat, radius	success, count, data[], message	搜索附近司机（POST方式）
/api/driver/search	GET	lng, lat, radius (默认5000)	success, count, data[], message	通过服务层搜索附近司机

2.4 测试接口

API	Method	Request	Response	Description
/api/driver/test/init	GET	-	success, message, key	添加测试司机到Redis
/api/driver/test/list	GET	-	keyExists, keyName, drivers[], count	查看Redis中的司机数据
/api/driver/test/echo	POST	lng, lat, radius	received_dto, lng, lat, radius, lng_is_null, lat_is_null, radius_is_null	验证参数接收

3. 行程服务 (service-ride)

3.1 行程管理

API	Method	Request	Response	Description

API	Method	Request	Response	Description
/api/ride/create	POST	passengerId, pickupLng, pickupLat, dropoffLng, dropoffLat	rideId, status, passengerId, driverId, fare, createTime	创建新行程
/api/ride/detail/{rideId}	GET	rideId (path)	rideId, status, passengerId, driverId, pickupLocation, dropoffLocation, fare, createTime	获取行程详情
/api/ride/history/{passengerId}	GET	passengerId (path)	rides[]	查询乘客历史行程
/api/ride/nearby/{driverId}	GET	driverId (path)	rides[]	获取司机附近的行程
/api/ride/change-status	POST	rideId, status (query)	rideId, status, message	修改行程状态

3.2 行程流程

API	Method	Request	Response	Description
/api/ride/accept	POST	driverId, rideId	success	司机接单
/api/ride/arrived/{rideId}	POST	rideId (path)	success	司机到达乘客位置
/api/ride/start/{rideId}	POST	rideId (path)	success	开始行程
/api/ride/end/{rideId}	POST	rideId (path)	success	结束行程

4. 匹配服务 (service-matching)

4.1 司机匹配

API	Method	Request	Response	Description
/api/matching/findBest	GET	lng, lat (query)	driverList[] (id, name, lng, lat, rating, matchingScore)	查找最佳匹配司机