



Translated from Spanish to English - www.onlinedoctranslator.com

Module	Endpoint	Test Type	Description	Result	JSON
User	POST /user/register	Functional / Positive	Register a user with valid data	Code 200, user created	{ "name": "peter", "surname": "perez", "studentId": 2021102034, "email": " pedro.perez@example.co m", "password": "pass1234" }
User	POST /user/register	Functional / Negative	Register a user with invalid data	Code 400, error message	{"email": " hello.c@example.com", "password": "password123"}
User	POST /user/login	Functional / Positive	Login with correct credentials	Code 200	{"email": " juan.perez@example.com ", "password": "pass123"}

User	POST /user/login	Functional / Negative	Login with incorrect username or password	Code 401, error message	{ "username": "no@email.com", "password": "nopassword" }
Bicycle	POST /register	Functional / Positive	Register a bicycle with an authenticated user and valid data	Code 200, bicycle created	{"color": "Red", "description": "Mountain bike", "brand": "Trek", "chassisCode": "ABC123"}
Bicycle	POST /register	Functional / Negative	Register a bicycle without a user or with incomplete data	false, Code 500	{"color": "Blue"}
Bicycle	GET /getUserBike/userId=1	Functional	Get bike for existing user	Code 200, JSON with bicycle	N/A
Bicycle	GET /getUserBike/?userId=10000	Functional / Negative	Get bike for non-existing user	Code 404	N/A
Checkin Log	POST /checkin	Functional / Positive	Check-in with valid username and bike	Code 200, success message	{"userId": 1, "bikeId": 101}

Checkin Log	POST /checkin	Functional / Negative	Check-in when the bike is already checked in	Code 500 error message	{"userId": 2, "bikeId": 102}
Checkin Log	POST /checkin	Functional / Negative	Check-in when parking is full	Code 409, parking full message	{"userId": 3, "bikeId": 103}
Checkin Log	POST /checkout	Functional / Positive	Check out a bike that is checked in	Code 200, success message	{"bikeId": 1}
Checkin Log	POST /checkout	Functional / Negative	Check out of an unused bike	Code 500 error message	{"bikeId": 3}
Checkin Log	GET /checkin/latestlog/?UserId=1	Functional	Check the latest log to decide whether to check in or out.	Code 200, "checkin" or "checkout"	N/A