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服务地址:http://<server_ip>:8000
数据格式:application/json
返回格式:统一JSON
{ "status": "success", "data": {...}, "message": "" }
   1. 查询接口 1.1 查询节点
URL:
GET /query_node
参数 (Query Params):
label (string) 节点标签,例如 Person
key (string) 属性名,例如 name
value (string) 属性值,例如 Alice
请求示例:
GET /query_node?label=Person&key=name&value=Alice
响应示例:
{ "status": "success", "data": [ {"id": 1, "name": "Alice", "age": 30} ] }
1.2 查询边
URL:
GET /query edge
参数:
type (string) 边的类型,例如 KNOWS
(可选)其他属性过滤,例如 since=2010
请求示例:
GET /query_edge?type=KNOWS&since=2010
响应示例:
{ "status": "success", "data": [ {"id": 100, "start": 1, "end": 2, "type": "KNOWS", "since": 2010} ] }
   2. 新增接口 2.1 新增节点
URL:
POST /add_node
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请求体:
{ "label": "Person", "props": {"name": "Bob", "age": 25} }
响应:
{ "status": "success", "data": {"id": 2}, "message": "Node created" }
2.2 新增边
URL:
POST /add_edge
请求体:
{ "start_id": 1, "end_id": 2, "rel_type": "KNOWS", "props": {"since": 2015} }
响应:
{ "status": "success", "data": {"id": 101}, "message": "Relationship created" }
   3. 更新接口 3.1 更新节点属性
URL:
PUT /update_node
请求体:
{ "id": 1, "props": {"age": 31} }
响应:
{ "status": "success", "message": "Node updated" }
3.2 更新边属性
URL:
PUT /update_edge
请求体:
{ "id": 101, "props": {"since": 2020} }
响应:
{ "status": "success", "message": "Relationship updated" }
   4. 删除接口 4.1 删除节点
URL:
DELETE /delete_node
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参数 ( Query Params ):
id (int) 节点 ID
请求示例:
DELETE /delete_node?id=1
响应:
{ "status": "success", "message": "Node deleted" }
4.2 删除边
URL:
DELETE /delete_edge
参数 ( Query Params ):
id (int) 边 ID
请求示例:
DELETE /delete_edge?id=101
响应:
{ "status": "success", "message": "Relationship deleted" }
   5. 额外功能(可选加分项) 5.1 路径查询(两节点之间的最短路径)
URL:
GET /shortest_path
参数:
start_id (int)
end_id (int)
响应示例:
{ "status": "success", "data": { "nodes": [1, 5, 8, 2], "edges": [101, 203, 305] } }
```