Boot Owl Diagrams and Functionality Guide

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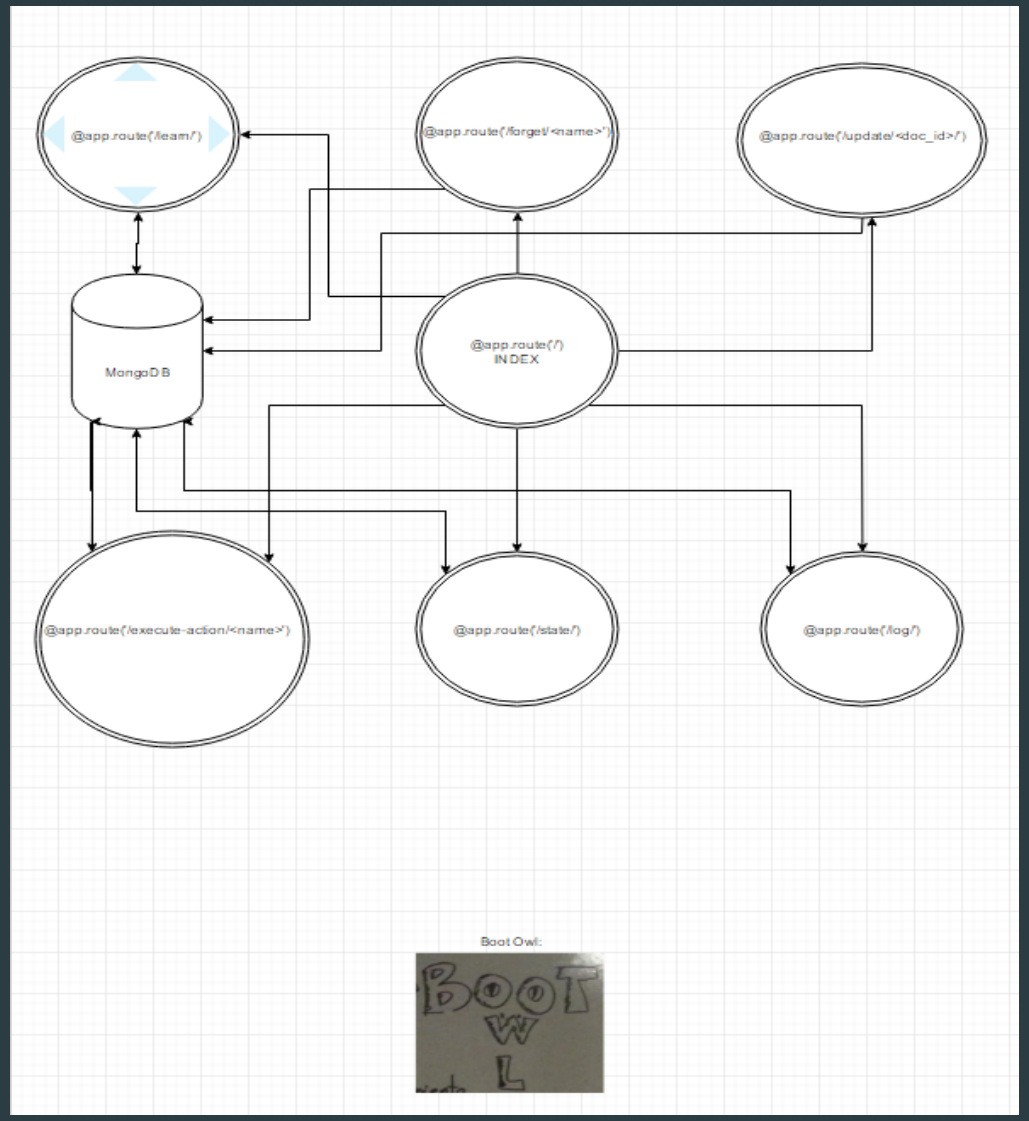
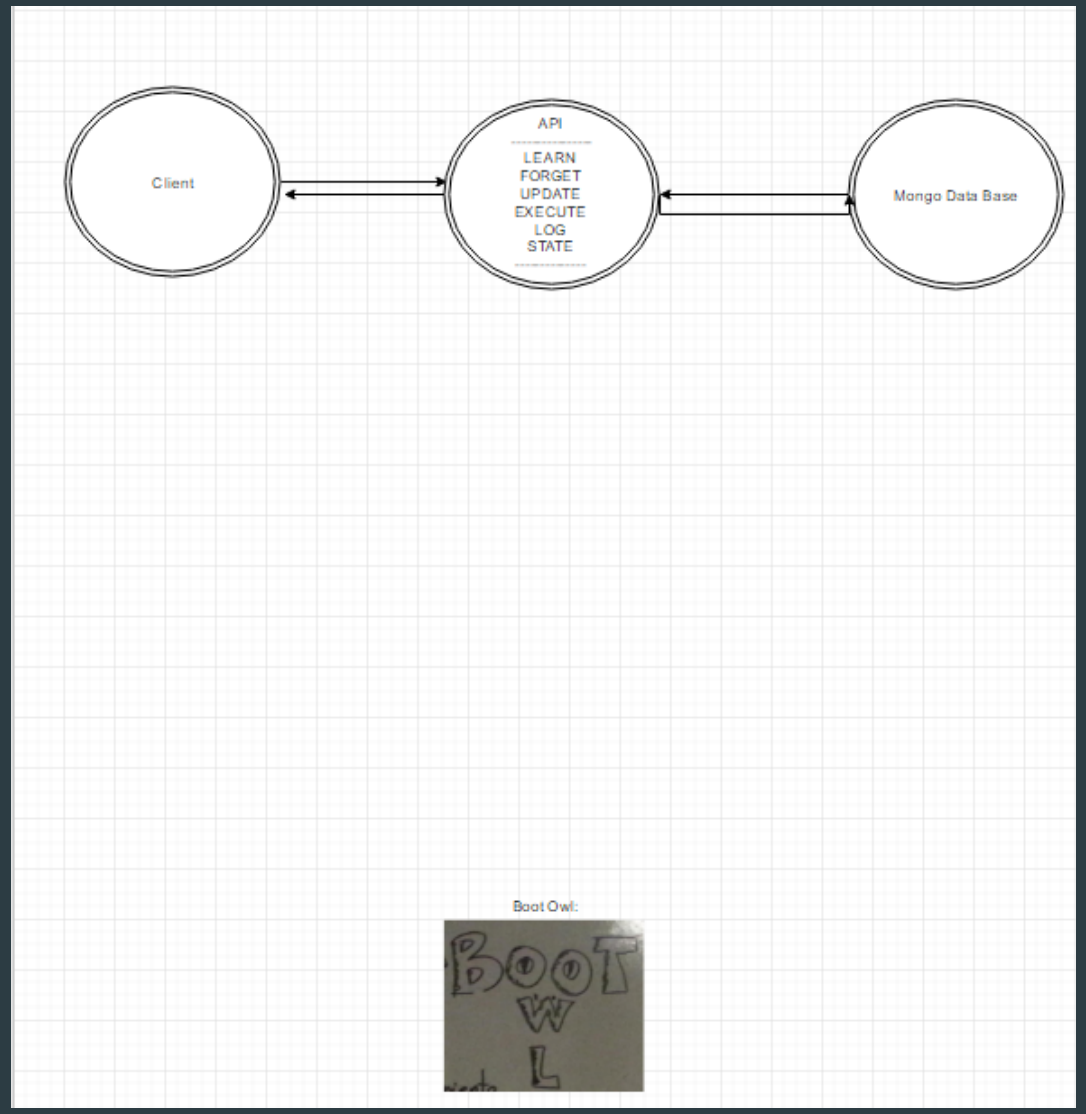
Internal Functionality



Client ➔ API ➔ Data Base



Learn Method (C)

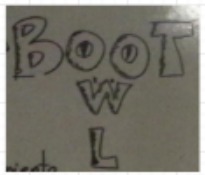
LEARN

POSTMAN Parameters:
-action_code
-name

This method creates a new document in MongoDB collection

```
collection.insert_one(
    {
        'user': user_id,
        'name': name,
        'api_code': action_code,
        'date': time_stamp
    }
)
```

Boot Owl:



State Method (R)

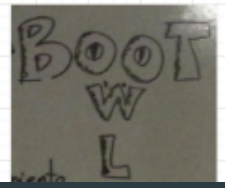
STATE

POSTMAN Parameters:

This method reads all documents that store Boot Owl's states in MongoDB collection

```
state_lists = data_base.get_collection("boot_owl_activity_log")
result = []
for query in state_lists.find():
    result.append({'api_code': query['api_code'], 'name': query['name']})
    state = jsonify({'result': result})
```

Boot Owl:



Log Method (R)

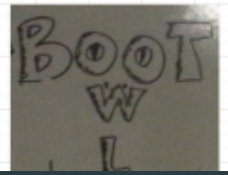
LOG

POSTMAN Parameters:

This method reads all documents that store user actions in MongoDB collection

```
trick_list = data_base.get_collection("boot_owl_activity_log")
result = []
for query in trick_list.find():
    result.append(
        {'user': query['user'],
         'name': query['name'],
         'api_code': query['api_code'],
         'date': query['date']
         })
    log = jsonify({'result': result})
```

Boot Owl:



Update Method (U)

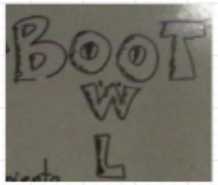
UPDATE

POSTMAN Parameters:
-new_name
-<doc_id> in route

This method updates a document in MongoDB collection

```
collection.update_one(
    {'_id': ObjectId(doc_id)},
    {'$set': {
        'name': new_name
    }
    }, upsert=False,
    bypass_document_validation=True)
```

Boot Owl:

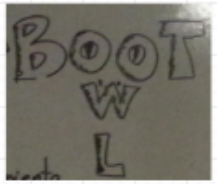


Forget Method (D)

FORGET

POSTMAN Parameters:
-<name> in route

This method deletes a document in MongoDB collection

```
collection.delete_one(
    {
        "user": user_id,
        "name": name
    }
)
```

Boot Owl: