



# MASSAGE SHOP

*Software Development Practice*



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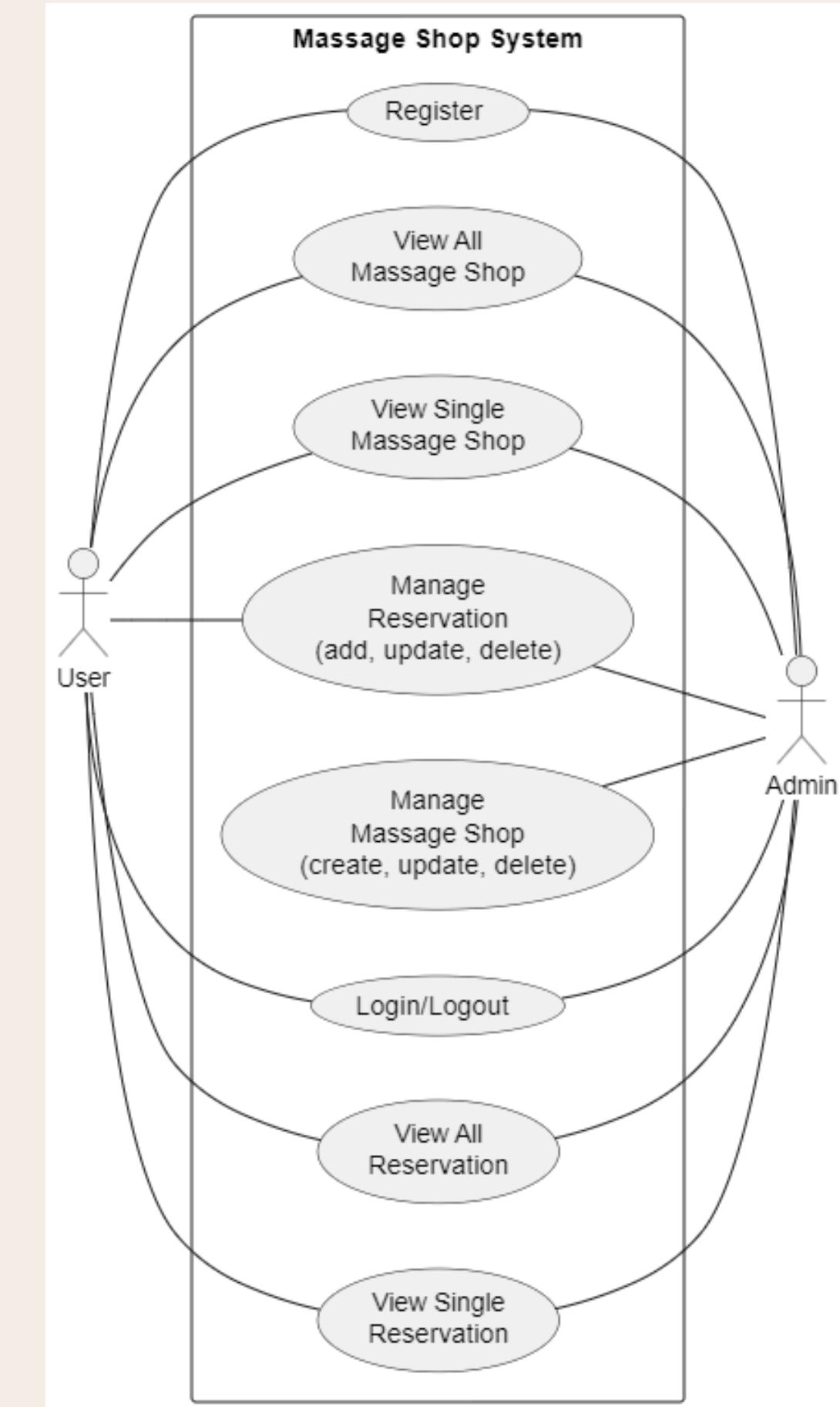
- Given Problem
- Use Case Diagram
- Sequence Case Diagram
  - Massage Shop
  - Reservation
- Code
- GitHub Repo
- Word Division
- Additional Requirement

# GIVEN PROBLEM

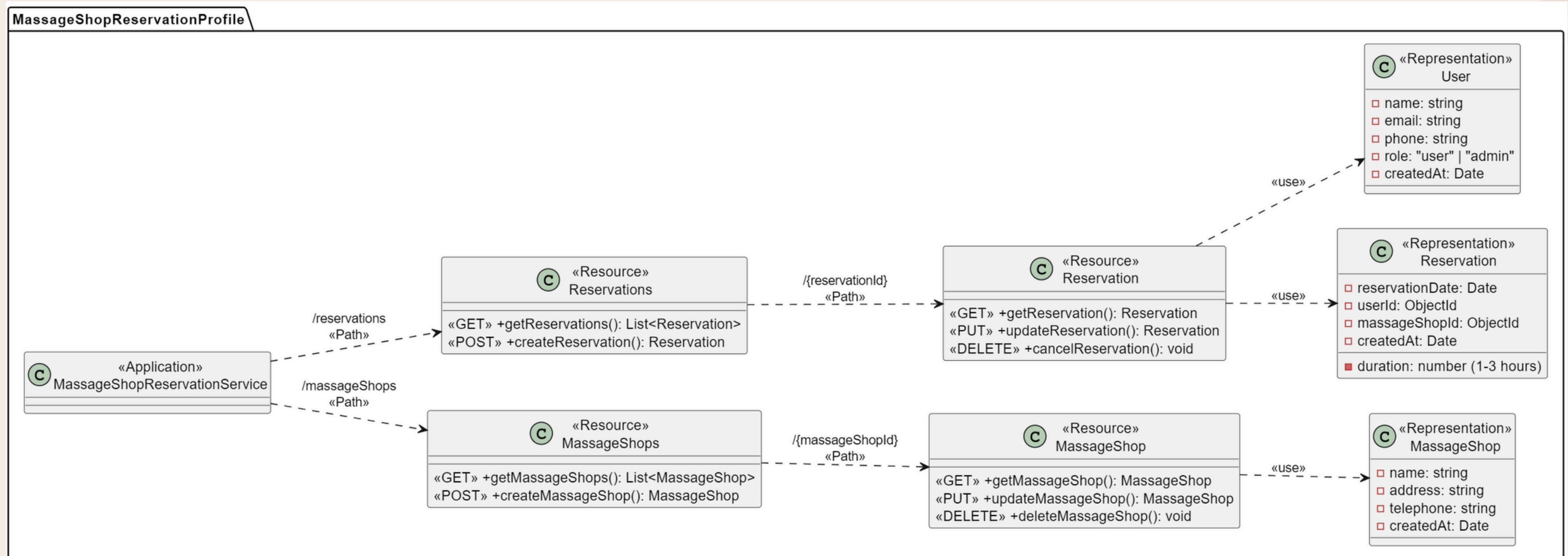
## Massage Shop

1. The system shall allow a user to register by specifying the name, telephone number, email, and password.
2. After registration, the user becomes a registered user, and the system shall allow the user to log in to use the system by specifying the email and password. The system shall allow a registered user to log out.
3. After login, the system shall allow the registered user to reserve up to 3 queues by specifying the date and the preferred massage shop. The massage shop list is also provided to the user. A massage shop information includes the name, address, telephone number, and open-close time.
4. The system shall allow the registered user to view his/her massage reservation.
5. The system shall allow the registered user to edit his/her massage reservation.
6. The system shall allow the registered user to delete his/her massage reservation.
7. The system shall allow the admin to view any massage reservation.
8. The system shall allow the admin to edit any massage reservation.
9. The system shall allow the admin to delete any massage reservation.

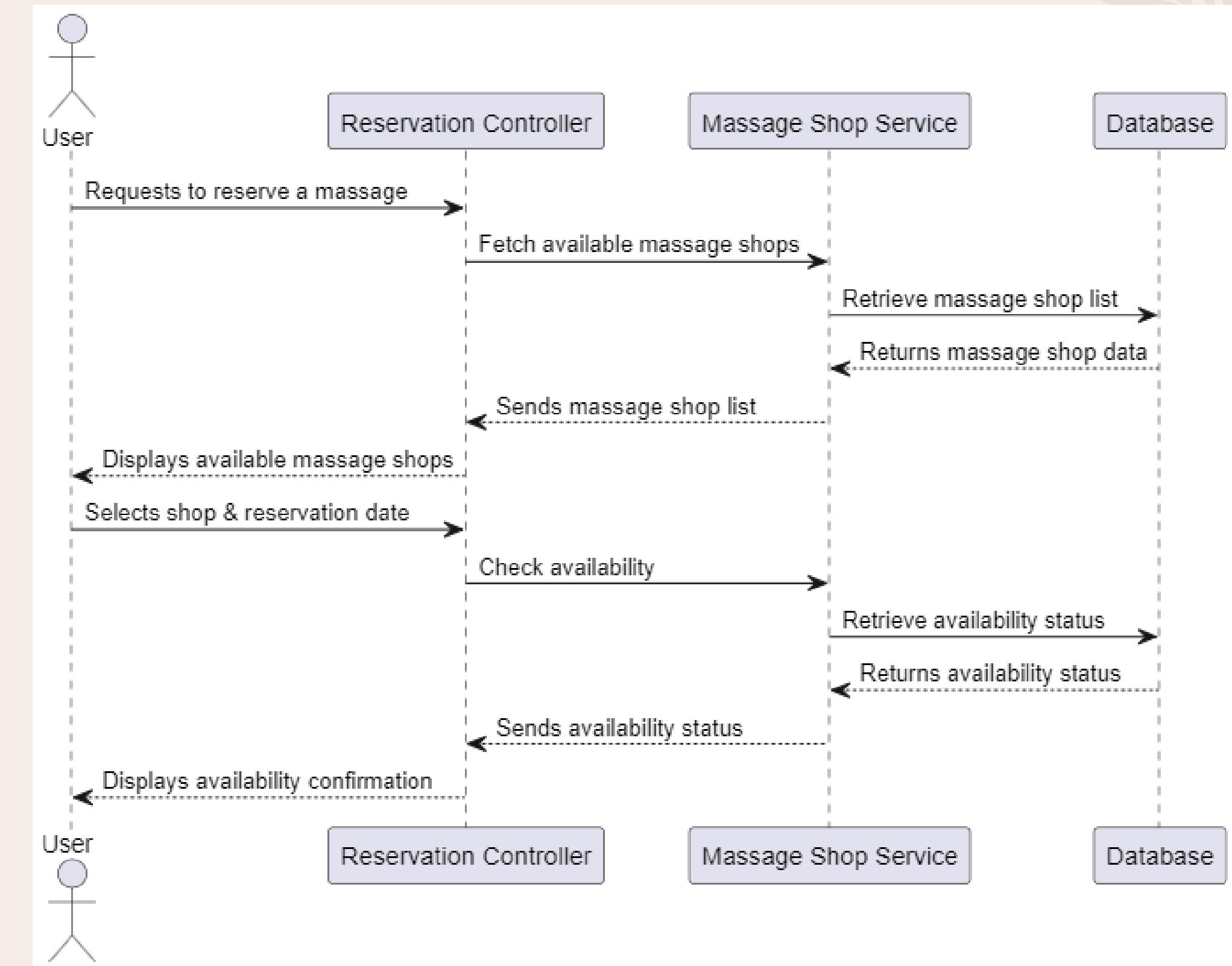
# USE CASE DIAGRAM



# CLASS DIAGRAM (UML PROFILE)



# SEQUENCE DIAGRAM RESERVATION CONTROLLER

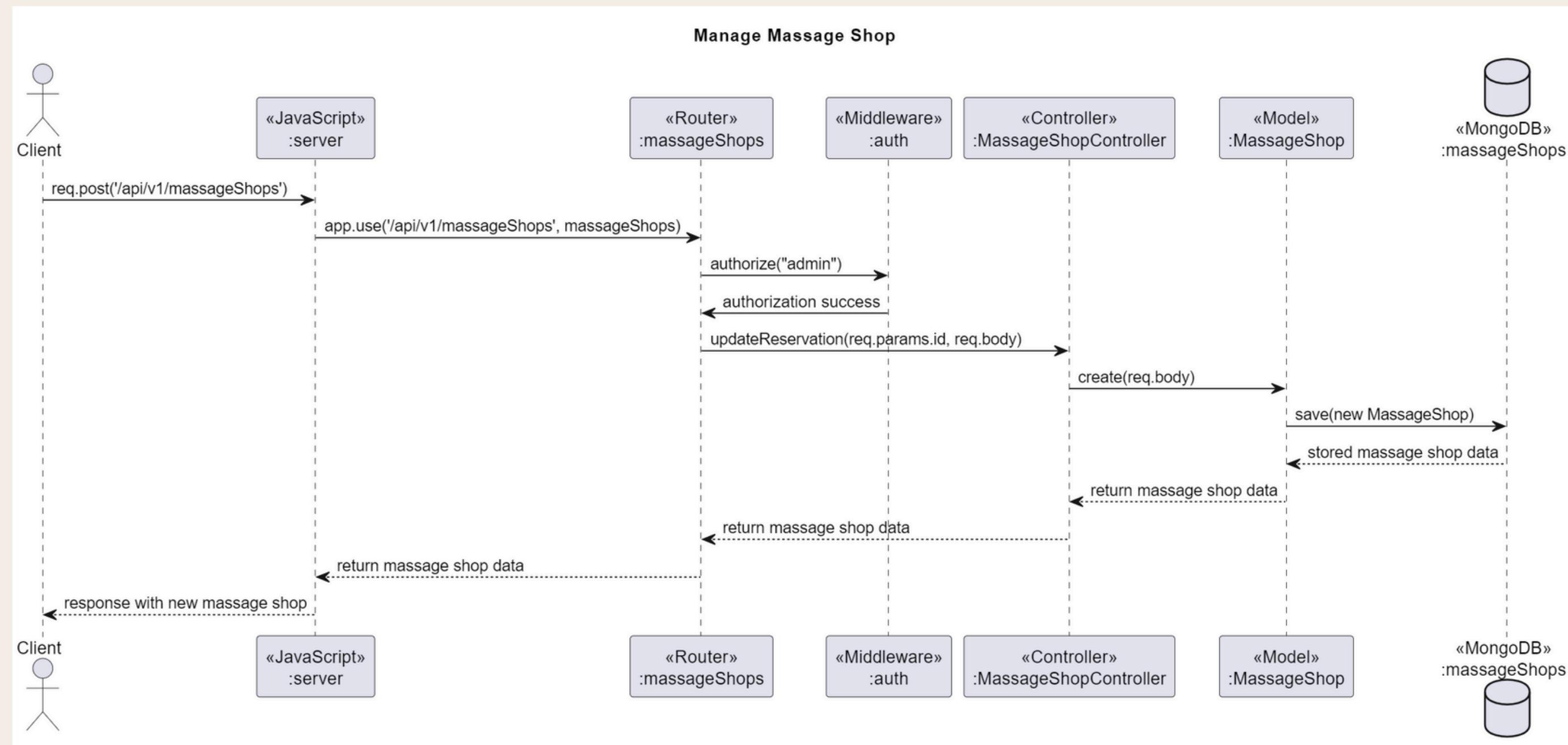


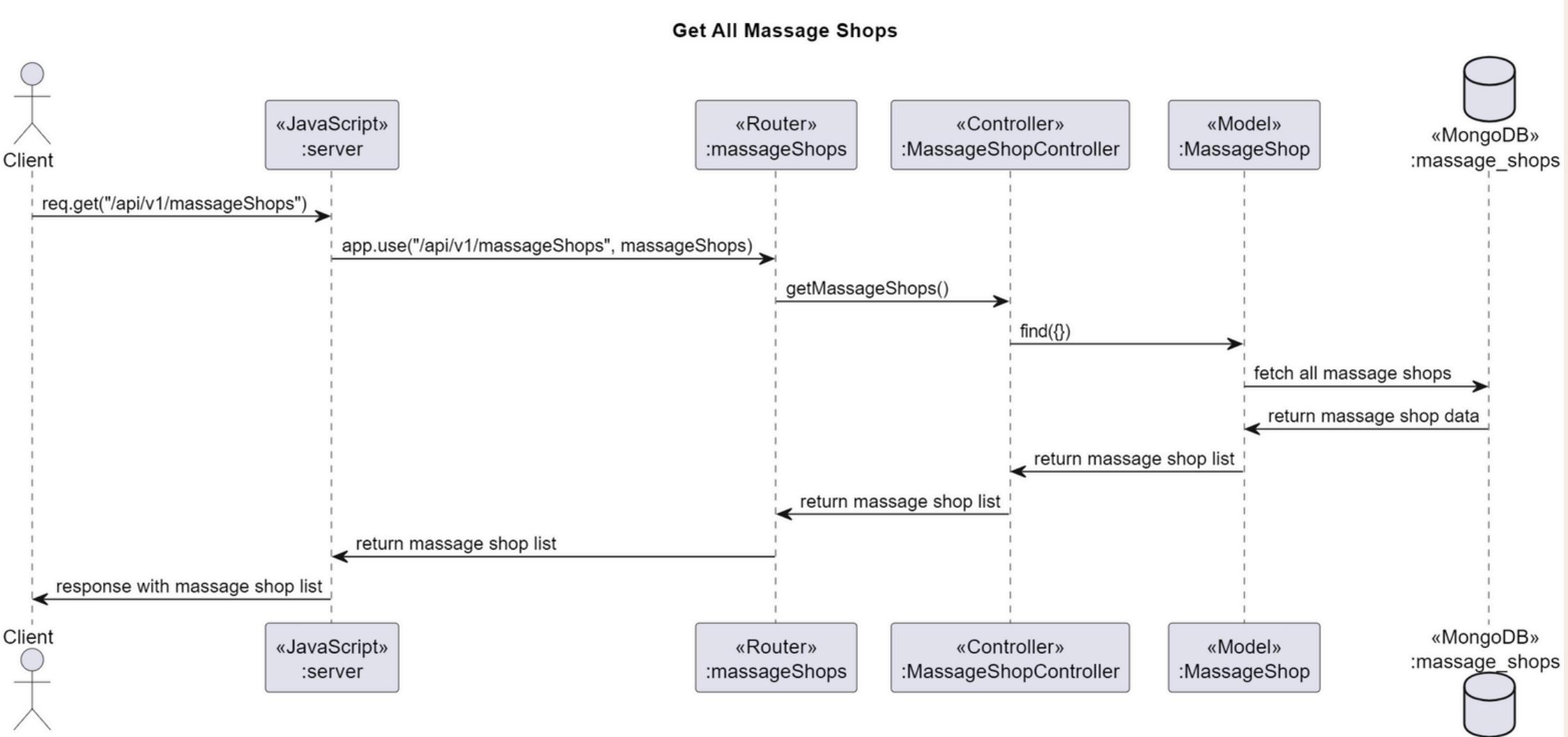
# MASSAGE SHOP SEQUENCE DIAGRAM



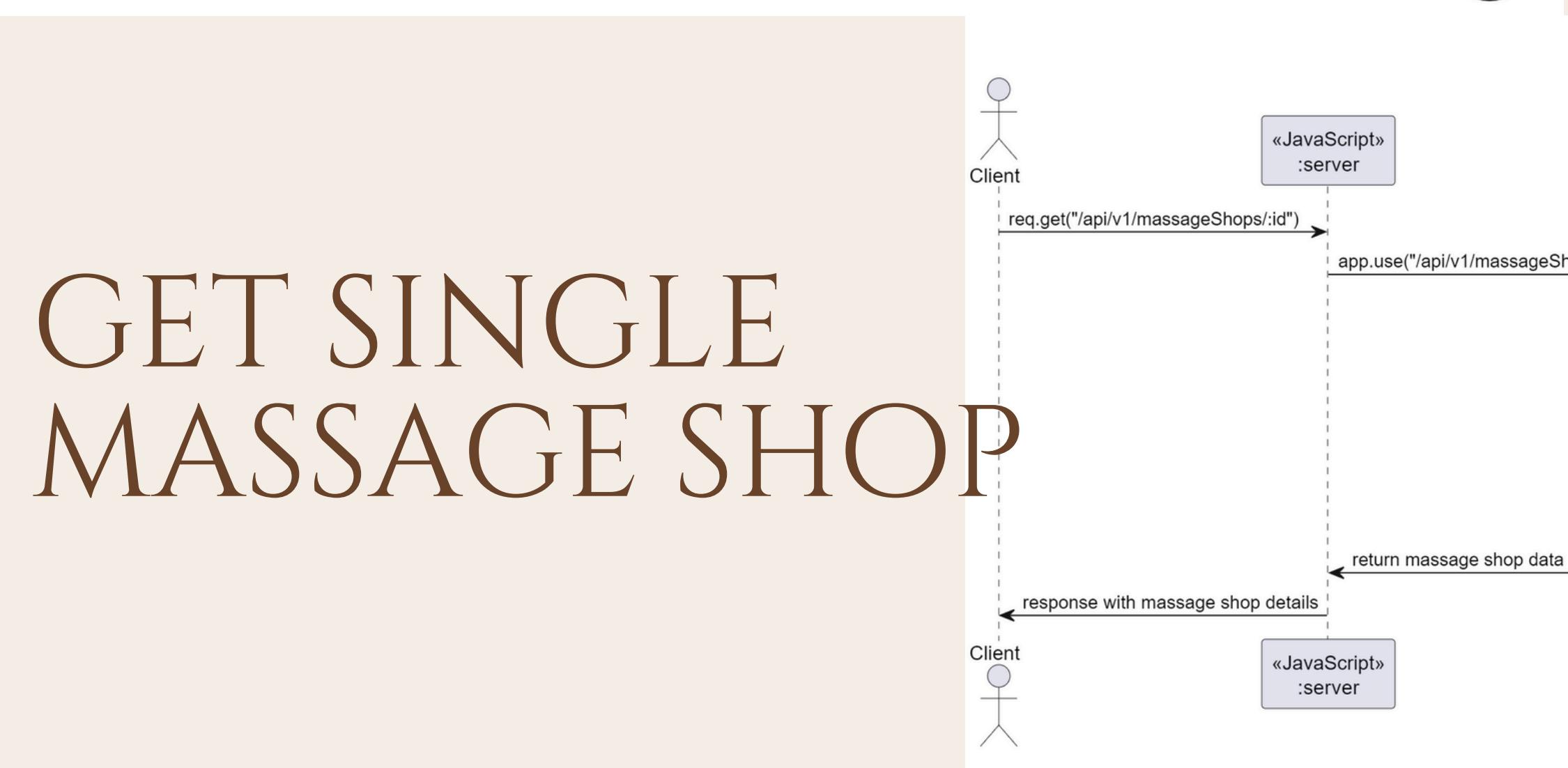
# SEQUENCE DIAGRAM

## MESSAGE SHOP CONTROLLER



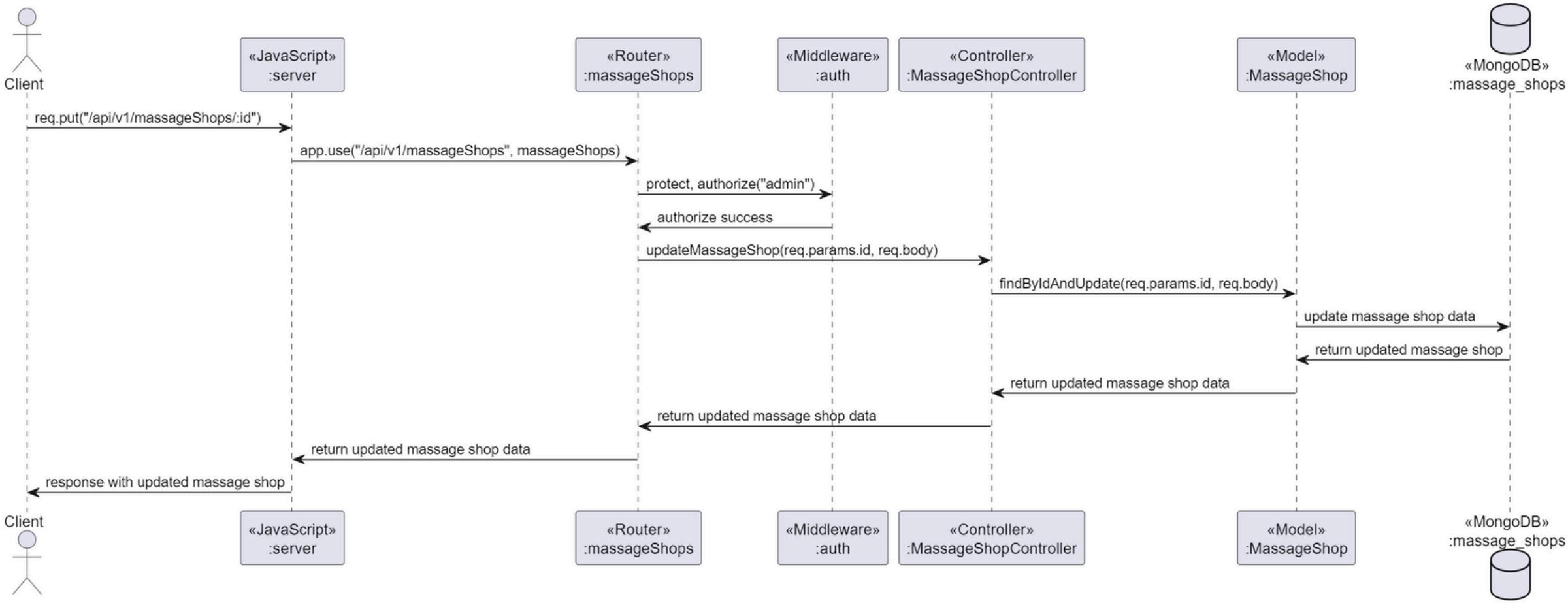


# GET ALL MASSAGE SHOP

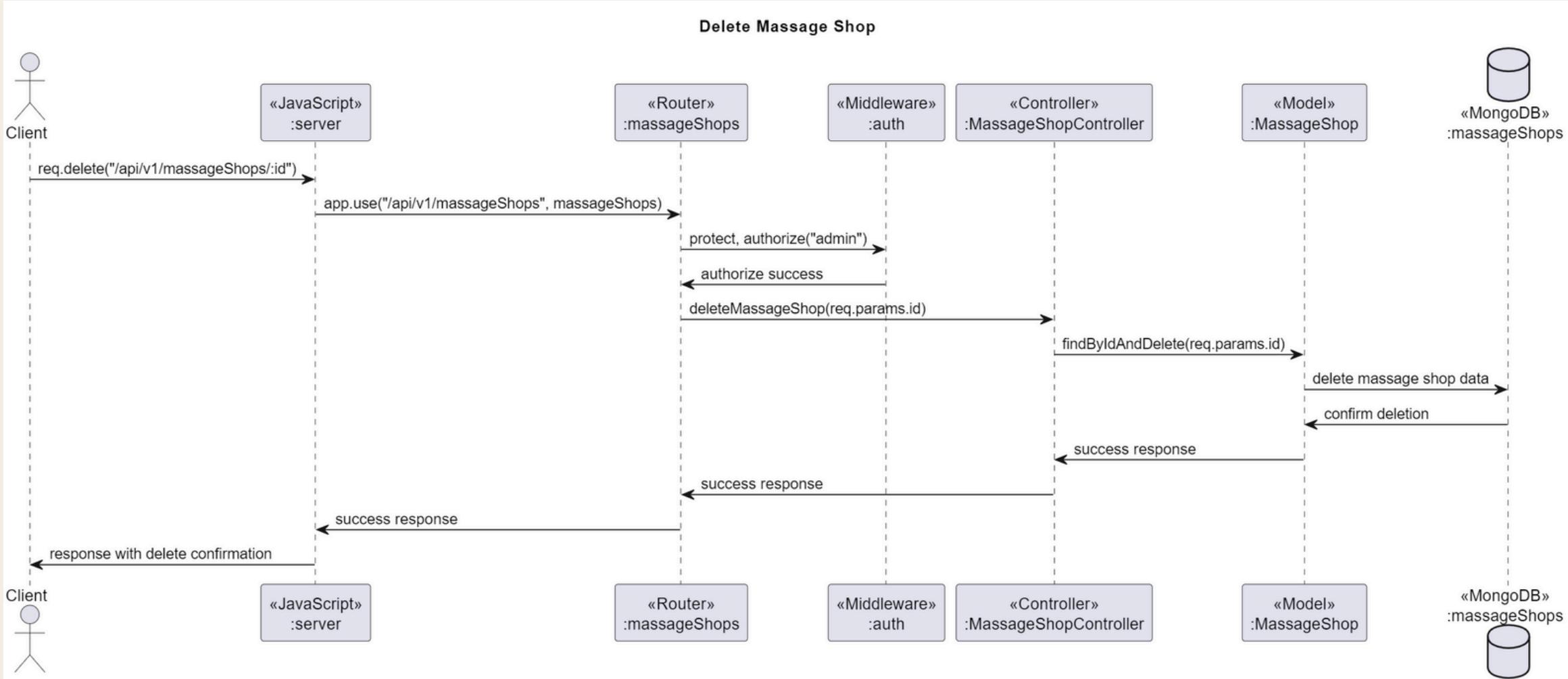


# GET SINGLE MASSAGE SHOP

# UPDATE MASSAGE SHOP



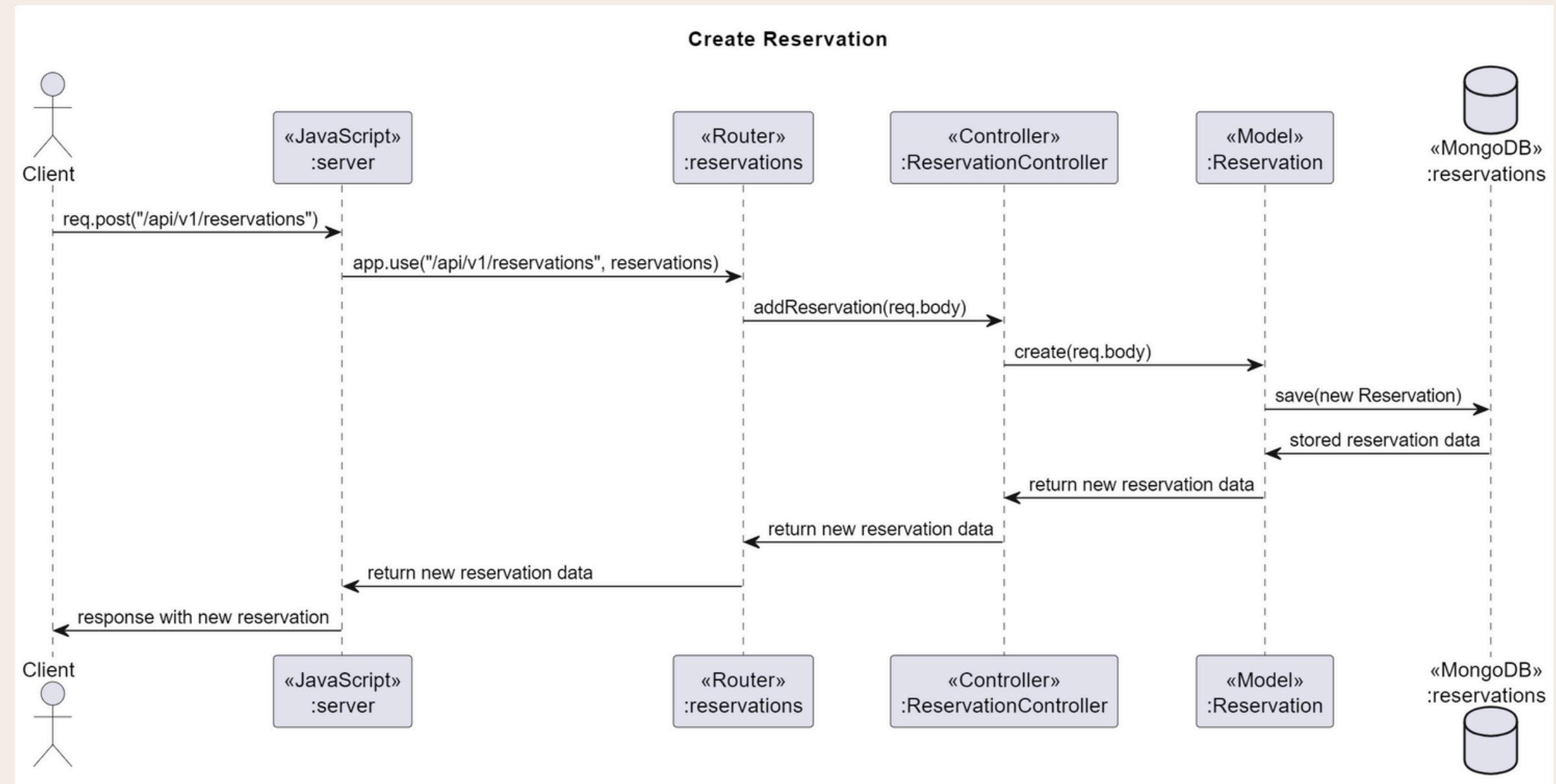
# DELETE MESSAGE SHOP

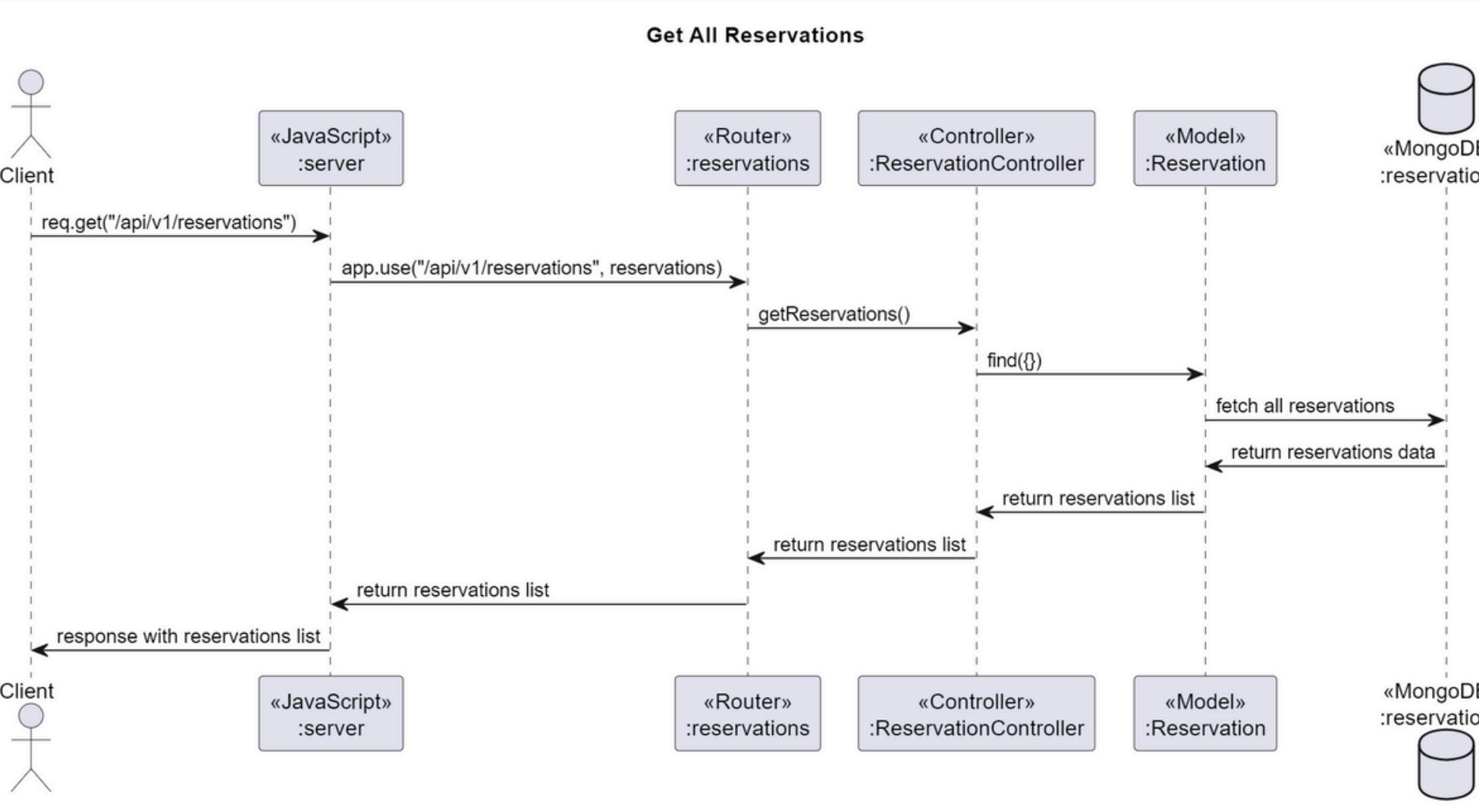


# RESERVATION SEQUENCE DIAGRAM



# CREATE RESERVATION



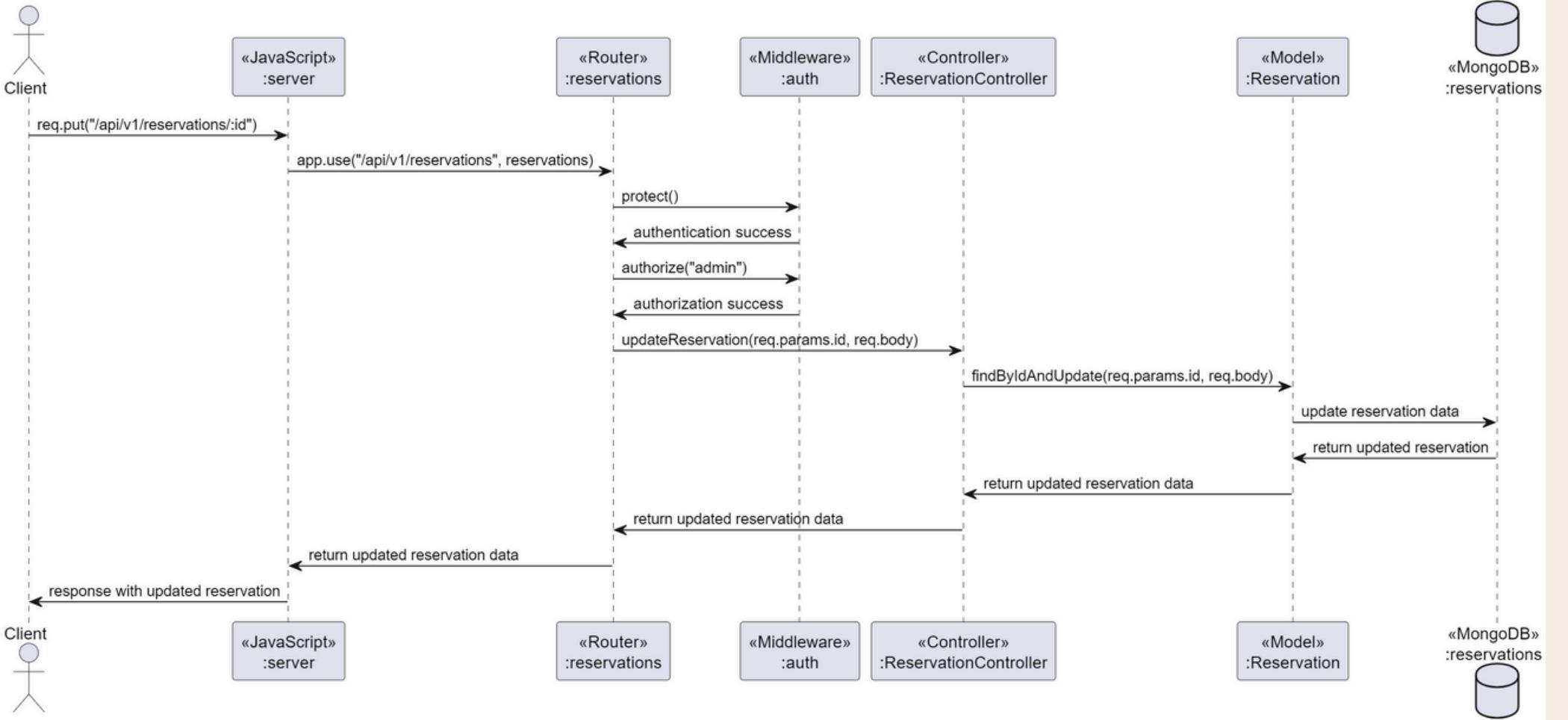


# GET ALL RESERVATION

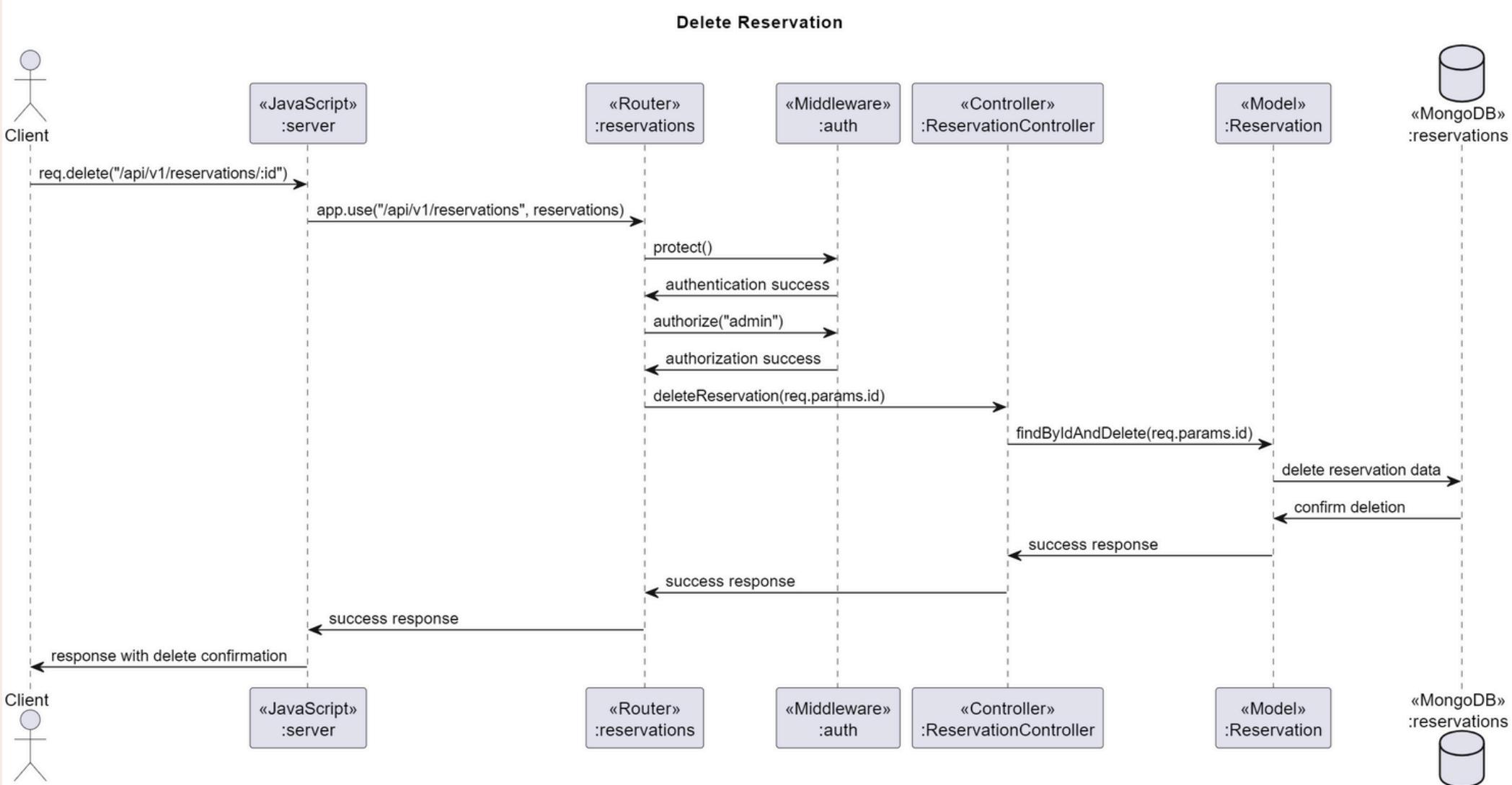


# GET SINGLE RESERVATION

# UPDATE RESERVATION



# DELETE RESERVATION



add phoneNumber  
in models/User

```
const UserSchema = new mongoose.Schema({  
    name: {  
        type: String,  
        required: [true, 'Please add a name']  
    },  
    email: {  
        type: String,  
        required: [true, 'Please add an email'],  
        unique: true,  
        match: [  
            /^(([^<>()[]\\.,;:\\s@"]+(\.).[^<>()[]\\.,;:\\s@"]+)|([_.-]+@[_.-]+\.[_.-]{2,}))$/i,  
            'Please add a valid email'  
        ]  
    },  
    phoneNumber: {  
        type: String,  
        required: [true, 'Please add a phone number'],  
        unique: true  
    },  
    role: {  
        type: String,  
        enum: ['user', 'admin'],  
        default: 'user'  
    },  
    password: {  
        type: String,  
        required: [true, 'Please add a password'],  
        minlength: 6,  
        select: false  
    },  
    resetPasswordToken: String,  
    resetPasswordExpire: Date,  
    createdAt: {  
        type: Date,  
        default: Date.now  
    }  
});
```

# change schema of Hospital to MassageShop

```
const MassageShopSchema = new mongoose.Schema({  
  
    name: {  
        type: String,  
        required: [true, 'Please add a name'],  
        unique: true,  
        trim: true,  
        maxlength: [50, 'Name can not be more than 50 characters']  
    },  
    address: {  
        type: String,  
        required: [true, 'Please add an address']  
    },  
    priceRange: {  
        type: String,  
        required: [true, 'Please add a price range']  
    },  
    phoneNumber: {  
        type: String  
    },  
    openTime: {  
        type: String,  
        required: [true, 'Please add opening time']  
    },  
    closeTime: {  
        type: String,  
        required: [true, 'Please add closing time']  
    }  
        toJSON: { virtuals: true },  
        toObject: { virtuals: true }  
    });
```

edit schema of  
Appointment into  
Reservation

change ApptDate to  
reservationDate

change hospital to  
massageShop

```
const ReservationSchema = new mongoose.Schema({  
  reservationDate: {  
    type: Date,  
    required: true  
  },  
  user: {  
    type: mongoose.Schema.ObjectId,  
    ref: 'User',  
    required: true  
  },  
  massageShop: {  
    type: mongoose.Schema.ObjectId,  
    ref: 'MassageShop',  
    required: true  
  },  
  createdAt: {  
    type: Date,  
    default: Date.now  
  }  
});
```

insert phoneNumber  
for Register  
user/admin

```
exports.register = async (req, res, next)=> {
    console.log(req.body);

    try {
        const {name, email, phoneNumber, password, role}=req.body;

        //Create user
        const user=await User.create({
            name,
            email,
            phoneNumber,
            password,
            role
        });
        //Create token
        // const token = user.getSignedJwtToken();

        // res.status(200).json({success:true, token});
        sendTokenResponse(user, 200, res);
    } catch (err) {
        res.status(400).json({success:false});
        console.log(err.stack);
    }
}
```

change  
routes/hospitals  
to massageShops

```
const express = require('express');
const {
  getMassageShops,
  getMassageShop,
  createMassageShop,
  updateMassageShop,
  deleteMassageShop
} = require('../controllers/massageShops');

const reservationRouter = require('./reservations');

const router = express.Router();

const { protect, authorize } = require('../middleware/auth');

router.use('/:massageShopId/reservations/', reservationRouter);
router.route('/').get(getMassageShops).post(protect, authorize('admin'),
createMassageShop);
router.route('/:id').get(getMassageShop).put(protect, authorize('admin'),
updateMassageShop).delete(protect, authorize('admin'), deleteMassageShop);

module.exports = router;
```

# change routes/appointments to reservations

```
const express = require('express');
const {
  getReservations,
  getReservation,
  addReservation,
  updateReservation,
  deleteReservation
} = require('../controllers/reservations');

const router = express.Router({ mergeParams: true });

const { protect, authorize } = require('../middleware/auth');

router.route('/')
  .get(protect, getReservations)
  .post(protect, authorize('admin', 'user'), addReservation);

router.route('/:id')
  .get(protect, getReservation)
  .put(protect, authorize('admin', 'user'), updateReservation)
  .delete(protect, authorize('admin', 'user'), deleteReservation);

module.exports = router;
```

change hospitals -> massageShops  
and appointments -> reservations  
in server.js

```
const auth = require('./routes/auth');
const reservations = require('./routes/reservations');
const massageShops = require('./routes/massageShops');

app.use('/api/v1/auth', auth);
app.use('/api/v1/reservations', reservations);
app.use('/api/v1/massageShops', massageShops);
```

add logout in  
controllers/auth.js

```
exports.logout = async (req, res, next) => {
  res.cookie('token', 'none', {
    expires: new Date(Date.now() + 10 * 1000),
    httpOnly: true
  });
  res.status(200).json({
    success: true,
    data: {}
  });
};
```

add logout in  
routes/auth.js

```
const express= require('express');
const {register, login, getMe, logout}=require('../controllers/auth');

const router=express.Router();

const {protect}= require('../middleware/auth');

router.post('/register', register);
router.post('/login', login);
router.get('/me', protect, getMe);
router.get('/logout', logout);

module.exports=router;
```

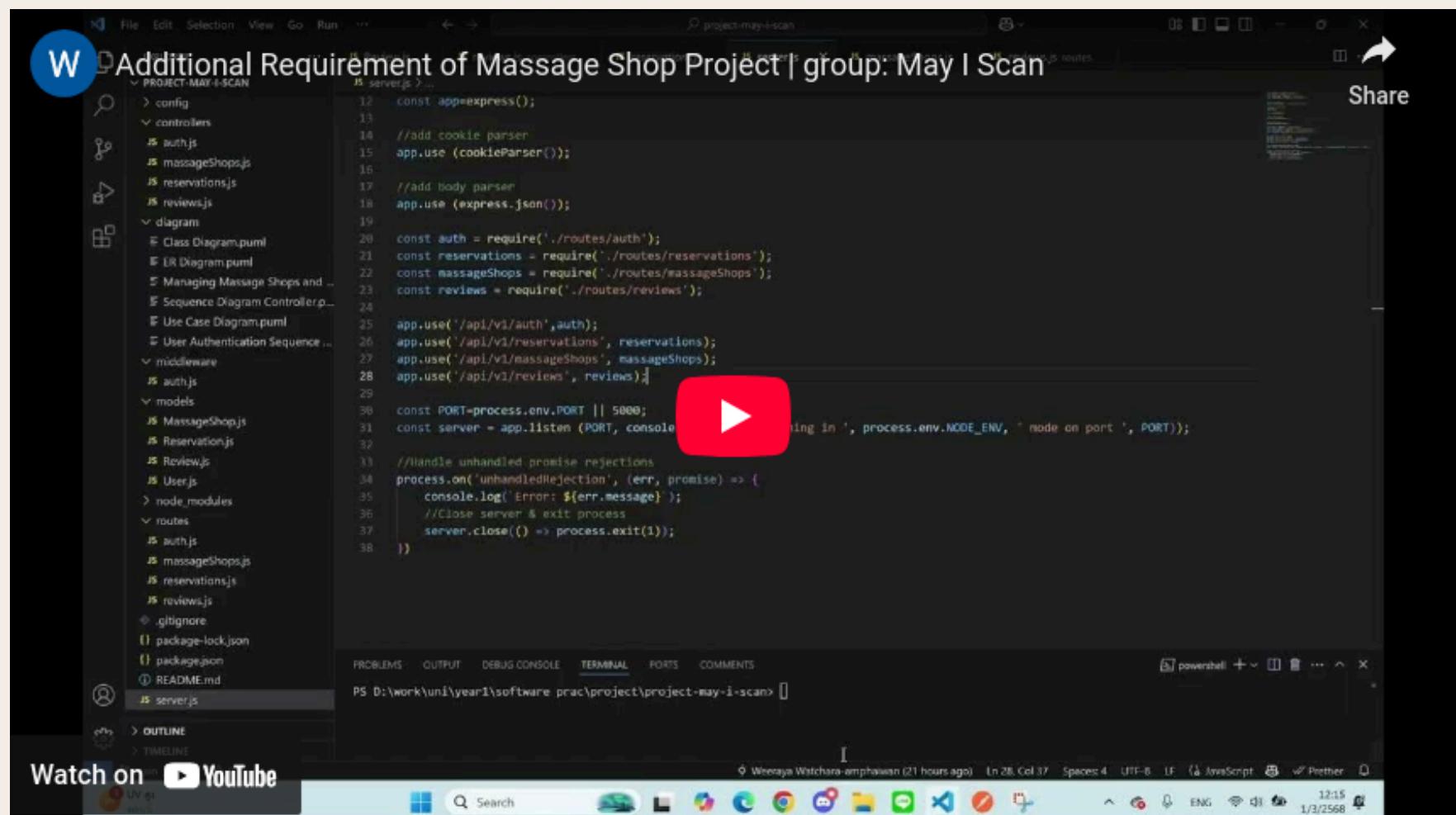
# ADDITIONAL REQUIREMENT

- Create reviews for massage shop
- Create Models/Review.js
- Create controllers/reviews.js
  - a. getReviews
  - b. getReview
  - c. addReview
  - d. updateReview
  - e. deleteReview
  - f. Get Massage Shop Review
- Create routes/reviews.js
- Add route in server.js

# ADDITIONAL REQUIREMENT

- link for additional requirement video

<https://www.youtube.com/watch?v=ZsIONplmXJU>



# LINK TO PROJECT GITHUB REPO

<https://github.com/2110503-2564/project-may-i-scan>



# WORK DIVISION

The screenshot shows a GitHub repository interface with the following details:

- Repository Path:** 2110503-2564 / project-may-i-scan
- Tab Selection:** Code (highlighted in red)
- Search Bar:** Type / to search
- Activity Filter Buttons:** All branches, All activity, All users, All time
- Activity List:** Shows recent commits and pushes from users ballggwp and AArmyYY.

| Commit Message                            | Author   | Branch | Commit Hash       | Time Ago      |
|---|----------|--------|-------------------|---------------|
| Update Slide                              | ballggwp | main   | f4b5dd3...4a11cf6 | 3 minutes ago |
| editCodeServer                            | AArmyYY  | main   | cd1cea6...f4b5dd3 | 1 hour ago    |
| editCodeServer                            | AArmyYY  | main   | 324a610...cd1cea6 | 1 hour ago    |
| editCodeComment                           | AArmyYY  | main   | 79593f3...324a610 | 1 hour ago    |
| Update Testcase demo Additional           | ballggwp | main   | 211340e...79593f3 | 1 hour ago    |
| Update Demo testcase                      | ballggwp | main   | 3a480c5...211340e | 1 hour ago    |
| slide update                              | ballggwp | main   | 6a09965...3a480c5 | 5 hours ago   |
| edit test demo for additional requirement | vryw     | main   | 583e75e...6a09965 | 16 hours ago  |
| edit test demo for additional requirement | vryw     | main   | 7453e8d...583e75e | 16 hours ago  |
| rename document                           |          |        |                   |               |

# WORK DIVISION



rename document

 **vvryw** pushed 1 commit to `main` • 345550e...7453e8d • 16 hours ago

update document

 **vvryw** pushed 1 commit to `main` • eceb359...345550e • 16 hours ago

add document

 **vvryw** pushed 1 commit to `main` • 1b2d6f0...eceb359 • 16 hours ago

add test case for massage shop and additional requirements

 **vvryw** pushed 1 commit to `main` • a3e6416...1b2d6f0 • 17 hours ago

add reviews and create diagram folder

 **vvryw** pushed 1 commit to `main` • c721a65...a3e6416 • 3 days ago

Massage Shop code

 **vvryw** pushed 1 commit to `main` • ea154af...c721a65 • 4 days ago

add deadline

 **github-classroom[bot]** created `main` • ea154af • 11 days ago

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