Coursework 1
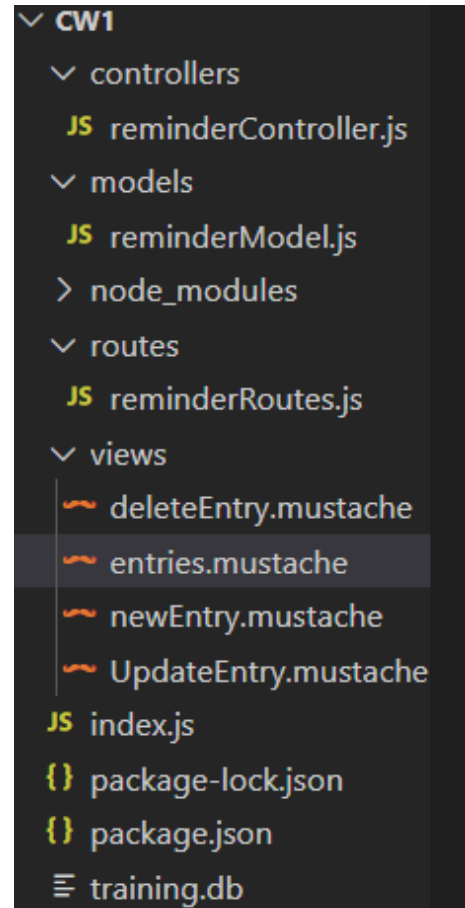
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MVC scheme

Model

```
    init() {
        this.db.insert({
        week: 15,
        achievement: '15km travel',
        Goals: [{
            goalID: 1,
            goalDescription: 'Successfully'
        },
        {
            goalID: 2,
            goalDescription:'Failed'
        },
        {
            goalID: 2,
            goalDescription:'in way'
        }
    ]
        });
                console.log(' entry inserted');
}
```

```
addEntry(week, achievement, goals) {
    var entry = {
    week: week,
    achievement: achievement,
    Goals: Goals,
    published: new Date().toISOString().split('T')[0]
    }
    console.log('entry created', entry);
    this.db.insert(entry, function(err, doc) {
    if (err) {
    console.log('Error inserting entry', subject);
    } else {
    console.log('entry inserted into the database', doc);
    }
    })
    }


getEntriesByGoal(goals) {
    return new Promise((resolve, reject) => {
    this.db.find({ 'goal': goals }, function(err, entries) {
    if (err) {
    reject(err);
    } else {
    resolve(entries);
    console.log(' returns: ', entries);
    }
    })
    })
    }
```

Model

```
getRemoveGoal() {
    console.log('Running remove goal');
    this.db.remove({'achievement': '15km travel'}, {}, function(err, docsR){

        if (err) {

            console.log('error deleting goal');

        } else {

            console.log(docsR, 'documents removed');

        }

    })}

getUpdateGoal() {
this.db.update({week: 15, achievement: '15km travel'},
{ $set: { 'goals.goalID': 5 } }, {}, function(err, NumUP) {

        if (err){
            console.log('error updating goals', err);
        } else {
            console.log('goals updated', NumUP);
        }
    })
```

Controller

```javascript
exports.update_goals = function(req, res){
        db.getUpdateGoal(req.body.exciseGoals);
        res.redirect('/');

}
exports.remove_goals = function(req, res){
    console.log('Running remove goals')
    db.getRemoveGoal();
    res.redirect('/');
}
exports.entries_list = function(req, res) {
    res.send('<h1>Not yet implemented: show a list of guest book entries.</h1>');
    db.getAllEntries();
}
exports.show_new_entries = function(req, res) {
    res.render('newEntry', {
    'title': 'Reminder list'
    })
    }
    exports.post_new_entry = function(req, res) {

    if (!req.body.week) {
    response.status(400).send("Entries must have date.");
    return;
    }
    db.addEntry(req.body.week, req.body.achievement, req.body.exciseGoals);
    res.redirect('/');
    }
    exports.show_goal_entries = function(req, res) {
    console.log('filtering goal name', req.params.exciseGoals);
    let exerciseGoal = req.params.exciseGoals;
    db.getWeeklyEntries(exciseGoals).then((entries) => {
```

Controller

```
  res.redirect('/');
}
exports.show_goal_entries = function(req, res) {
 console.log('filtering goal name', req.params.goals);
 let goals = req.params.goals;
 db.getWeeklyEntries(goals).then((entries) => {
 res.render('entries', {
 'title': 'Reminder List',
 'entries': entries
 });
 }).catch((err) => {
 console.log('error handling goals', err);
 });
}
exports.landing_page = function(req, res) {
 db.getAllEntries().then((list) => {
     res.render('entries', {
     'title': 'Reminder List',
     'entries': list
     });
     console.log('promise resolved');
     }).catch((err) => {
     console.log('promise rejected', err);
```

Routes

```javascript
const express = require('express');
const router = express.Router();
const controller = require('../controllers/reminderController');
router.get("/", controller.landing_page);
router.get('/reminder', controller.entries_list);
router.get('/weekly', controller.weekly_entries);
router.get('/new', controller.show_new_entries);
router.get('/remove', controller.remove_goals);
router.get('/update', controller.update_goals);
router.post('/new', controller.post_new_entry);
router.get('/posts/:goal', controller.show_goal_entries);
router.get('/about', function(req, res) {
 res.redirect('/about.html');
})
router.use(function(req, res) {
 res.status(404);
 res.type('text/plain');
 res.send('404 Not found.');
})
router.use(function(err, req, res, next) {
 res.status(500);
 res.type('text/plain');
 res.send('Internal Server Error.');
})
module.exports = router;
```

Views - Delete

```html
<html lang="en">
<head>
{{>header}}
</head>
<body class="container">
<h2>Delete entry</h2>
 <h1>{{title}}</h1>
 {{#entries}}
 <div>
 {{subject}}
 </div>
 <div>
 {{contents}}
 </div>
 <hr>
 {{/entries}}
<form method="post" role="form">
 <div class="form-group">
    <input type="submit" value="Post entry" class="btn btn-primary">
 </div>
</form>
</body>
</html>
```

Views - update

```html
<html lang="en">
<head>
{{>header}}
</head>
<body class="container">
<h2>Update achievement</h2>
<form method="post" role="form">
    <label for="achievement">Achievement</label>
    <textarea class="form-control" id="achievement" name="achievement"
    placeholder="Enter achievement here." rows="1"
required>
</textarea>
</div>
<div class="form-group">
    <input type="submit" value="Post entry" class="btn btn-primary">
</div>
</form>
</body>
</html>
```

Views - New

```html
<html lang="en">
<head>
{{>header}}
</head>
<body class="container">
<h2>Write a new entry</h2>
<form method="post" role="form">
 <div class="form-group">
    <label for="week">Week</label>
    <input type="text" class="form-control" id="week"
    name="week" placeholder="Number of week" required>
 </div>
 <div class="form-group">
    <label for="achievement">Achievement</label>
    <input type="text" class="form-control" id="achievement"
    name="achievement" placeholder="Enter achievement of weekly training"
required>
 </div>
 <div class="form-group">
    <label for="goal">Goals</label>
    <textarea class="form-control" id="goal" name="goal"
    placeholder="Enter goals here." rows="3"
required>
</textarea>
 </div>
 <div class="form-group">
    <input type="submit" value="Post entry" class="btn btn-primary">
 </div>
</form>
</body>
</html>
```

Views – All entries

```
</head>
<h1>{{title}}</h1>
 {{#entries}}
 <div>
 {{subject}}
 </div>
 <div>
 {{contents}}
 </div>
 <hr>
 {{/entries}}
{{^entries}}
 No entries yet.
 {{/entries}}
 <div>
 Uploaded on {{week}} , on {{published}}
 </div>
    </html>
```