

# **Traffic Monitoring Project**

**Group #13**

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**Software Engineering 14:332:452**

**Individual Contributions**

<https://sites.google.com/site/452trafficmonitoring/home>

<http://www.jracoma.com/trafficmonitor/>

## Individual Contributions

	Xuan Li	Chih-Ting Cho	Ting-Chieh Huang	Jonathan Hong	Jan Racoma	Kevin Cundey	Total
Coding (30)	20	18	20	20	22	0	100
Unit Testing (10)	24	21	23	25	7	0	100
Web Design (5)	0	0	0	0	100	0	100
Integration (10)	20	20	15	20	25	0	100
Debugging (5)	25	10	20	20	25	0	100
Documentation (10)	20	20	20	20	20	0	100
Data Collection (8)	20	15	15	25	25	0	100
Database (5)	20	20	15	25	20	0	100
Flyer (2)	0	40	10	50	0	0	100
Slides (3)	10	25	35	30	0	0	100
Project Management (12)	20	10	25	15	30	0	100

## Unit Testing

There was no code written specifically for Unit Testing. The primary test of Get Directions was to verify whether the user entered starting and destination locations are within our coverage areas. The following code shows the location/address checking.

```
$("#getDirections").submit(function(event) {
    var address = document.getElementById('gstartingLocation').value;
    event.preventDefault();

    var check = 0;

    $.when($.when(getAddress(address, "#estartingLocation")).then(inCoverageArea).then(function(results) {
        if (results[0] == true) {
            address = document.getElementById('gdestinationLocation').value;

            $.when(getAddress(address, "#edestinationLocation")).then(inCoverageArea).then(function(results) {
                if (results[0] == true) {
                    calcRoute();
                } else {
                    $(results[1]).show();
                }
            });
        } else {
            $(results[1]).show();

            $.when(getAddress(address, "#edestinationLocation")).then(inCoverageArea).then(function(results1) {
                if (results1[0] == false) {
                    $(results1[1]).show();
                }
            });
        }
    }));
});
```

## Integration Testing

For Demo 1, our main focus was the Get Directions portion of our program (Use Case 1). We have completed the majority of this use case and will just need to integrate the traffic data into our program. We have yet to implement the alerts and gas prices portion of our system (Use Case 2, 3, & 8); therefore, integration testing would not be applicable yet.