# Artefact 10:

The relevant code can be found in the artefact 10 files folder.

### First Release

The angular applications as well as the node.js backend (specifically the routing file) were developed by me in the first Release:

1. Student - Request Specific Teacher (AALV-12)
   1. Modified an Angular App
   2. Modified a Node.JS Routing File
   3. Added Emailing to let students and teachers know
   4. Did REGEXP Validation
2. Teacher – Accept Student (AALV-61)
   1. Added Emailing to let students and teachers know
3. Manager – View Instrument Hire Requests (AALV-32)
   1. Did bug fixing
4. Manager – Add New Instruments (AALV-37)
   1. Did REGEXP Validation
5. Student – Hire Instrument (AALV-14)
   1. Created Angular App
   2. Created Node.JS Backend
   3. Added Emailing
   4. Did REGEXP Validation
6. Student – Apply for Lessons (AALV-11)
   1. Created Angular App
   2. Created Node.JS Backend
   3. Added Emailing
   4. Did REGEXP Validation
7. Manager – Create Teacher Accounts (AALV-27)
   1. Did REGEXP Validation
8. Student – Register (AALV-60)
   1. Created Angular App
   2. Created Node.JS Backend
   3. Added Emailing
9. Student – View Instrument History (AALV-15)
   1. Fixed Services after bug reports
10. Owner – Register Manager (AALV-119)
    1. Created Angular App
    2. Created Node.JS Backend
    3. Added Emailing
11. Manager – View Instrument Hire Requests (AALV-111)
    1. Fixed Services after bug reports
12. Student – Hire Instrument
    1. Modified Angular App to include new functionality
    2. Modified Node.JS Backend to allow for new functionality
    3. Modified Emailing to send instrument information

### Second Release

1. Student – View Lessons (AALV-13)
   1. Created Angular App
   2. Created Node.JS
2. Teacher – View Lessons (AALV-5)
   1. Created Angular App
   2. Created Node.JS
3. Student – Cancel Lesson (AALV-51)
   1. Modified Angular App to include new functionality
   2. Modified Node.JS to allow for new functionality
   3. Added Emailing
4. Teacher – Finish Lesson (AALV-200)
   1. Modified Angular App to include new functionality
   2. ModifiedNode.JS to allow for new functionality
   3. Added Emailing
5. User – Update Details (AALV-49)
   1. Added Angular App
   2. Added Node.JS
6. Teacher – Update Professional Details
   1. Modified Angular App to include new functionality
   2. ModifiedNode.JS to allow for new functionality
7. Manager – Edit Instrument Details (AALV-36)
   1. Modified Angular App to include new functionality
   2. ModifiedNode.JS to allow for new functionality
8. Manager – Log Teacher Language and Instrument Skills (AALV-196)
   1. Modified Angular App to include new functionality
   2. ModifiedNode.JS to allow for new functionality

Since some of the files are too long to put here, an overview of the angular app vs node.JS process is provided below. The actual code can be found on the repository and should be named in a conventional way that makes them easy to identify.

Creating an Angular app involves:

* Creating feature.main.js
* Creating feature.module.js
* Creating feature.service.js
* Creating feature.component.js
* Creating feature.component.ejs
* Creating feature.component.css
* Creating any other JS files
* Linking all JS files in the index.ejs for that feature

Creating a Node.JS backend involves:

* Creating a featureRouting.js file
  + This file has different URLS that the user can access to be routed
  + Has POST calls to access the database
  + Has SQL queries that were developed to access the database