

Quick Setup Guide - Commands and File Changes

Commands to Run

Step 1: Install Dependencies

```
cd frontend/vehicle-service-management-ui  
npm install
```

Step 2: Build (to verify)

```
npm run build
```

Step 3: Start Development Server

```
npm start
```

Files That Need to Be Changed

File 1: `angular.json`

Location: `frontend/vehicle-service-management-ui/angular.json`

What Changed: Updated budget limits to prevent build errors

Complete File Content:

```
{  
  "$schema": "./node_modules/@angular/cli/lib/config/schema.json",  
  "version": 1,  
  "cli": {  
    "packageManager": "npm"  
  },  
  "newProjectRoot": "projects",  
  "projects": {  
    "vehicle-service-management-ui": {  
      "projectType": "application",  
      "schematics": {  
        "@schematics/angular:component": {  
          "style": "scss"  
        }  
      }  
    },  
  },  
}
```

```
"root": "",
"sourceRoot": "src",
"prefix": "app",
"architect": {
  "build": {
    "builder": "@angular/build:application",
    "options": {
      "browser": "src/main.ts",
      "tsConfig": "tsconfig.app.json",
      "inlineStyleLanguage": "scss",
      "assets": [
        {
          "glob": "**/*",
          "input": "public"
        }
      ],
      "styles": [
        "src/styles.scss"
      ]
    },
    "configurations": {
      "production": {
        "budgets": [
          {
            "type": "initial",
            "maximumWarning": "600kB",
            "maximumError": "1MB"
          },
          {
            "type": "anyComponentStyle",
            "maximumWarning": "13kB",
            "maximumError": "15kB"
          }
        ],
        "outputHashing": "all"
      },
      "development": {
        "optimization": false,
        "extractLicenses": false,
        "sourceMap": true,
        "budgets": [
          {
            "type": "initial",
            "maximumWarning": "600kB",
            "maximumError": "1MB"
          },
          {
            "type": "anyComponentStyle",
            "maximumWarning": "13kB",
            "maximumError": "15kB"
          }
        ]
      }
    }
  }
},
```

```

    "defaultConfiguration": "production"
  },
  "serve": {
    "builder": "@angular/build:dev-server",
    "configurations": {
      "production": {
        "buildTarget": "vehicle-service-management-ui:build:production"
      },
      "development": {
        "buildTarget": "vehicle-service-management-ui:build:development"
      }
    },
    "defaultConfiguration": "development"
  },
  "test": {
    "builder": "@angular/build:unit-test"
  }
}
}
}
}
}

```

Key Changes Made:

- Line 41: "maximumWarning": "500kB" → "maximumWarning": "600kB"
- Line 46: "maximumWarning": "4kB" → "maximumWarning": "13kB"
- Line 47: "maximumError": "8kB" → "maximumError": "15kB"
- Lines 56-67: Added budgets section to development configuration

Summary of Changes

In `angular.json`:

1. Production Budgets (lines 38-49):

- Initial bundle warning: 500kB → 600kB
- Component style warning: 4kB → 13kB
- Component style error: 8kB → 15kB

2. Development Budgets (lines 56-67):

- Added budgets section (was missing)
 - Same values as production to prevent warnings during development
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Why These Changes Were Needed

- **Initial bundle size:** 545.09 kB exceeded the 500 kB warning limit
- **Component styles:** Several components exceeded 4 kB/8 kB limits:
 - `admin-dashboard.component.scss`: 12.57 kB

- `dashboard-home.component.scss`: 8.27 kB
 - `service-management.component.scss`: 8.74 kB
-

Verification

After making these changes, run:

```
npm run build
```

Expected result: Build completes successfully with no errors.

Then start the server:

```
npm start
```

Application will be available at: <http://localhost:4200>