

E-COMMERCE APPLICATION ON IBM CLOUD FOUNDRY CAD_PHASE4

ABSTRACT:

This project presents the design and implementation of a robust and scalable backend system for an e-commerce application using Node.js. The primary goal of this system is to provide a seamless shopping experience for users, ensuring efficient product browsing, selection, and purchase.

The backend architecture leverages the asynchronous, event-driven nature of Node.js to handle concurrent user requests efficiently. It employs Express.js, a lightweight web application framework, for routing and handling HTTP requests, allowing for the creation of RESTful APIs.

The application integrates a MongoDB database to store product information, user profiles, and transaction history. Mongoose, a powerful ODM (Object-Document Mapper) for MongoDB, is utilized for data modeling and interaction. This ensures data consistency and integrity throughout the application.

Package lock json:

```
{
  "name": "e-com",
  "version": "1.0.0",
  "lockfileVersion": 3,
  "requires": true,
  "packages": {
    "": {
      "name": "e-com",
      "version": "1.0.0",
      "license": "ISC",
      "dependencies": {
        "body-parser": "^1.20.2",
        "ejs": "^3.1.9",
        "express": "^4.18.2",
```

```
"express-session": "^1.17.3",
"mongoose": "^7.6.3",
"nodemon": "^3.0.1",
"passport": "^0.6.0",
"passport-local": "^1.0.0"
}
},
"node_modules/@mongodb-js/saslprep": {
  "version": "1.1.0",
  "resolved": "https://registry.npmjs.org/@mongodb-js/saslprep/-/saslprep-1.1.0.tgz",
  "integrity": "sha512-Xfijy7HvfzzqiOAhaEpfF4SGN5e9leLkMvg/OPOF97XemjfVCYN/oWa75wnkc6mltMSTwY+XlbhWgUOJmkFspSw==",
  "optional": true,
  "dependencies": {
    "sparse-bitfield": "^3.0.3"
  }
},
"node_modules/@types/node": {
  "version": "20.8.9",
  "resolved": "https://registry.npmjs.org/@types/node/-/node-20.8.9.tgz",
  "integrity": "sha512-UzykFsT3FhHb1h7yD4CA4YhBHq545JC0YnEz41xkipN88eKQtL6rSgocL5tbAP6Ola9Izm/Aw4Ora8He4x0BHg==",
  "dependencies": {
    "undici-types": "~5.26.4"
  }
},
"node_modules/@types/webidl-conversions": {
  "version": "7.0.2",
  "resolved": "https://registry.npmjs.org/@types/webidl-conversions/-/webidl-conversions-7.0.2.tgz,
```

```

    "integrity": "sha512-
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NO+DQ=="
  },
  "node_modules/@types/whatwg-url": {
    "version": "8.2.2",
    "resolved": "https://registry.npmjs.org/@types/whatwg-url/-/whatwg-url-8.2.2.tgz",
    "integrity": "sha512-
FtQu10RWgn3D9U4aazdwIE2yzphmTJREDqNdODHrbrZmmMqI0vMheC/6NE/J1Yveaj8H+ela+YwW
Tjq5PGmuhA==",
    "dependencies": {
      "@types/node": "*",
      "@types/webidl-conversions": "*"
    }
  },
  "node_modules/abbrev": {
    "version": "1.1.1",
    "resolved": "https://registry.npmjs.org/abbrev/-/abbrev-1.1.1.tgz",
    "integrity": "sha512-
nne9/IiQ/hzIhY6pdDnbBtz7DjPTKrY00P/zvPSm5pOFkl6xuGrGnXn/VtTNNfNtAfZ9/1RtehkszU9qcTii
0Q=="
  },
  "node_modules/accepts": {
    "version": "1.3.8",
    "resolved": "https://registry.npmjs.org/accepts/-/accepts-1.3.8.tgz",
    "integrity": "sha512-
PYAthTa2m2VKxuvSD3DPC/Gy+U+sOA1LAuT8mkmRuvw+NACSaeXEQ+NHcVF7rONl6qcaxV3U
uemwawk+7+SJLw==",
    "dependencies": {
      "mime-types": "~2.1.34",
      "negotiator": "0.6.3"
    }
  },
  "engines": {
    "node": ">= 0.6"
  }

```

```

    }
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    "version": "4.3.0",
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    "integrity": "sha512-7aB9rCjAT1rbjiVDb2hqKFHNYLxgtk8NURxZ3IZwD3F6NtxbXZQCnnSi1Lkx+IDohdPIFp222wVALIheZJQSEg==",
    "dependencies": {
      "color-convert": "^2.0.1"
    },
    "engines": {
      "node": ">=8"
    },
    "funding": {
      "url": "https://github.com/chalk/ansi-styles?sponsor=1"
    }
  },
  "node_modules/anymatch": {
    "version": "3.1.3",
    "resolved": "https://registry.npmjs.org/anymatch/-/anymatch-3.1.3.tgz",
    "integrity": "sha512-KMReFUr0B4t+D+OBkjr3KYqvocp2XaSzO55UcB6mgQMd3KbcE+mWTyvVV7D/zsdEbNnV6acZUutkiHqXvTr1Rw==",
    "dependencies": {
      "normalize-path": "^3.0.0",
      "picomatch": "^2.0.4"
    },
    "engines": {
      "node": ">= 8"
    }
  },

```

```
"node_modules/array-flatten": {
  "version": "1.1.1",
  "resolved": "https://registry.npmjs.org/array-flatten/-/array-flatten-1.1.1.tgz",
  "integrity": "sha512-PCVAQswWemu6UdxsDFFX/+gVeYqKAod3D3UVm91jHwynguOwAvYPhx8nNlM++NqRcK6CxxpUafjmhIdKiHibqg=="
},
"node_modules/async": {
  "version": "3.2.4",
  "resolved": "https://registry.npmjs.org/async/-/async-3.2.4.tgz",
  "integrity": "sha512-iAB+JbDEGXhyIUavoDI9WP/Jj106Kz9DEn1DPgYw5ruDn0e3Wgi3sKFm55sASdGBNOQB8F59d9qQ7deqrHA8wQ=="
},
"node_modules/balanced-match": {
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  "resolved": "https://registry.npmjs.org/balanced-match/-/balanced-match-1.0.2.tgz",
  "integrity": "sha512-3oSeUO0TMV67hN1AmbXsK4yaqU7tjiHlbrRDZOpH0KW9+CeX4bRAaX0Anxt0tx2MrpRpWwQaPwIISEJhYU5Pw=="
},
"node_modules/binary-extensions": {
  "version": "2.2.0",
  "resolved": "https://registry.npmjs.org/binary-extensions/-/binary-extensions-2.2.0.tgz",
  "integrity": "sha512-3YqZt3tD/19lVqcvD8k2DKWUMYLy9pDdyPQO6HkqYdHj+pWP+cg7ZyRiDj3rgFHS7UxjF4vZFzwD66bC1A==",
  "engines": {
    "node": ">=8"
  }
},
"node_modules/body-parser": {
  "version": "1.20.2",
  "resolved": "https://registry.npmjs.org/body-parser/-/body-parser-1.20.2.tgz",
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"dependencies": {
 "bytes": "3.1.2",
 "content-type": "~1.0.5",
 "debug": "2.6.9",
 "depd": "2.0.0",
 "destroy": "1.2.0",
 "http-errors": "2.0.0",
 "iconv-lite": "0.4.24",
 "on-finished": "2.4.1",
 "qs": "6.11.0",
 "raw-body": "2.5.2",
 "type-is": "~1.6.18",
 "unpipe": "1.0.0"
},
"engines": {
 "node": ">= 0.8",
 "npm": "1.2.8000 || >= 1.4.16"
}

},

"node_modules/brace-expansion": {
 "version": "1.1.11",
 "resolved": "<https://registry.npmjs.org/brace-expansion/-/brace-expansion-1.1.11.tgz>",

"integrity": "sha512-iCuPHDFgrHX7H2vEI/5xpz07zSHB00TpugqhmYtVmMO6518mCuRMoOYFldeEB10g187ufozdaHgWKcYFb61qGiA==",

"dependencies": {
 "balanced-match": "^1.0.0",
 "concat-map": "0.0.1"
}

```
},
"node_modules/braces": {
  "version": "3.0.2",
  "resolved": "https://registry.npmjs.org/braces/-/braces-3.0.2.tgz",
  "integrity": "sha512-b8um+L1RzM3WDSzvhm6gIz1yfTbBt6YTlcEKAvsmqCZZFw46z626lVj9j1yEPW33H5H+IBQpZMP1k8l+78Ha0A==",
  "dependencies": {
    "fill-range": "^7.0.1"
  },
  "engines": {
    "node": ">=8"
  }
},
"node_modules/bson": {
  "version": "5.5.1",
  "resolved": "https://registry.npmjs.org/bson/-/bson-5.5.1.tgz",
  "integrity": "sha512-ix0EwukN2EpC0SRWIj/7B5+A6uQMqY6KMREI9qQqvgpkV2frH63T0UDVd1SYedL6dNCmDBYB3QtXi4ISk9YT+g==",
  "engines": {
    "node": ">=14.20.1"
  }
},
"node_modules/bytes": {
  "version": "3.1.2",
  "resolved": "https://registry.npmjs.org/bytes/-/bytes-3.1.2.tgz",
  "integrity": "sha512-/Nf7TyZTx6S3yRJObOAV7956r8cr2+Oj8AC5dt8wSP3BQAoeX58NoHyCU8P8zGkNXStjTSi6fzO6F0pBdcYbEg==",
  "engines": {
    "node": ">= 0.8"
  }
}
```

```
  },
  "node_modules/call-bind": {
    "version": "1.0.5",
    "resolved": "https://registry.npmjs.org/call-bind/-/call-bind-1.0.5.tgz",
    "integrity": "sha512-C3nQxfFZxFRVJoGKKI8y3MOEo129NQ+FgQ08iye+Mk4zNZZGdjfs06bVTr+DBSlA66Q2VEcMki/cUCP4SercQ==",
    "dependencies": {
      "function-bind": "^1.1.2",
      "get-intrinsic": "^1.2.1",
      "set-function-length": "^1.1.1"
    },
    "funding": {
      "url": "https://github.com/sponsors/ljharb"
    }
  },
  "node_modules/chalk": {
    "version": "4.1.2",
    "resolved": "https://registry.npmjs.org/chalk/-/chalk-4.1.2.tgz",
    "integrity": "sha512-oKnbhFyRIXpUuez8iBMMyEa4nbj4IOQyuhc/wy9kY7/WVPcwIO9VA668Pu8RkO7+0G76SLROeyw9CpQ061i4mA==",
    "dependencies": {
      "ansi-styles": "^4.1.0",
      "supports-color": "^7.1.0"
    },
    "engines": {
      "node": ">=10"
    },
    "funding": {
      "url": "https://github.com/chalk/chalk?sponsor=1"
    }
  }
}
```



```
  },
  "node_modules/chokidar": {
    "version": "3.5.3",
    "resolved": "https://registry.npmjs.org/chokidar/-/chokidar-3.5.3.tgz",
    "integrity": "sha512-Dr3sfKRP6oTcJf2JmUmFJfeVMvXBdegxB0iVQ5eb2V10uFJUCAS8OByZdVAyVb8xXNz3GjjTgj9kLWsZTqE6kw==",
    "funding": [
      {
        "type": "individual",
        "url": "https://paulmillr.com/funding/"
      }
    ],
    "dependencies": {
      "anymatch": "~3.1.2",
      "braces": "~3.0.2",
      "glob-parent": "~5.1.2",
      "is-binary-path": "~2.1.0",
      "is-glob": "~4.0.1",
      "normalize-path": "~3.0.0",
      "readdirp": "~3.6.0"
    },
    "engines": {
      "node": ">= 8.10.0"
    },
    "optionalDependencies": {
      "fsevents": "~2.3.2"
    }
  },
  "node_modules/color-convert": {
    "version": "2.0.1",
```

```
"resolved": "https://registry.npmjs.org/color-convert/-/color-convert-2.0.1.tgz",
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  "dependencies": {
    "color-name": "~1.1.4"
  },
  "engines": {
    "node": ">=7.0.0"
  }
},
"node_modules/color-name": {
  "version": "1.1.4",
  "resolved": "https://registry.npmjs.org/color-name/-/color-name-1.1.4.tgz",
  "integrity": "sha512-dOy+3AuW3a2wNbZHIuMZpTcgjGuLU/uBL/ubcZF9OXbDo8ff4O8yVp5Bf0efS8uEoYo5q4Fx7dY9OgQGKgAsQA==",
  "dependencies": {
    "node_modules/concat-map": {
      "version": "0.0.1",
      "resolved": "https://registry.npmjs.org/concat-map/-/concat-map-0.0.1.tgz",
      "integrity": "sha512-/Srv4dswyQNBfohGpz9o6Yb3Gz3SrUDqBH5rTuhGR7ahtlbYKnVxw2bCFMRljA7EXHaXZ8wsHdodFvbkhKmqg=="
    },
    "node_modules/content-disposition": {
      "version": "0.5.4",
      "resolved": "https://registry.npmjs.org/content-disposition/-/content-disposition-0.5.4.tgz",
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      "dependencies": {
        "safe-buffer": "5.2.1"
      }
    }
  }
},
```

```
"engines": {
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},
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  "resolved": "https://registry.npmjs.org/content-type/-/content-type-1.0.5.tgz",
  "integrity": "sha512-nTjqfcBFEipKdXCv4YDQWCfmcLZKm81ldF0pAopTvyrFGVbcR6P/VAAAd5G7N+0tTr8QqiU0tFadD6FK4NtJwOA==",
  "engines": {
    "node": ">= 0.6"
  },
  "node_modules/cookie": {
    "version": "0.5.0",
    "resolved": "https://registry.npmjs.org/cookie/-/cookie-0.5.0.tgz",
    "integrity": "sha512-YZ3GUyn/o8gfKJlX7g7xq4gyO6OSuhGPKaaGssGB2qgDUS0gPgtTvoyZLTt9Ab6dC4hfc9dV5arkvc/OCmrw==",
    "engines": {
      "node": ">= 0.6"
    },
    "node_modules/cookie-signature": {
      "version": "1.0.6",
      "resolved": "https://registry.npmjs.org/cookie-signature/-/cookie-signature-1.0.6.tgz",
      "integrity": "sha512-QADzlaHc8icV8I7vbaJXJwod9HWYp8uCqf1xa4OfNu1T7JVxQIrUgOWtHdNDtPiywmFbiS12VjotIXLrKM3orQ==",
    },
    "node_modules/debug": {
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```

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    "resolved": "https://registry.npmjs.org/debug/-/debug-2.6.9.tgz",
    "integrity": "sha512-bC7ElrdJaJnPbAP+1EotYvqZsb3ecl5wi6Bfi6BJTUcNowp6cvspg0jXznRTKDjm/E7AdgFBVeAPVMNcKGSsHMA==",
    "dependencies": {
      "ms": "2.0.0"
    }
  },
  "node_modules/define-data-property": {
    "version": "1.1.1",
    "resolved": "https://registry.npmjs.org/define-data-property/-/define-data-property-1.1.1.tgz",
    "integrity": "sha512-E7uGkTzkk1d0ByLeSc6ZsFS79Ayg+m1P/VsgYsxHgiuc3tFSj+MjMIwe90FC4lOAZzNBdY7kkO2P2wKdsQ1vgQ==",
    "dependencies": {
      "get-intrinsic": "^1.2.1",
      "gopd": "^1.0.1",
      "has-property-descriptors": "^1.0.0"
    }
  },
  "engines": {
    "node": ">= 0.4"
  }
},
  "node_modules/depd": {
    "version": "2.0.0",
    "resolved": "https://registry.npmjs.org/depd/-/depd-2.0.0.tgz",
    "integrity": "sha512-g7nH6P6dyDioJogAAGprGpCtVImJhpPk/roCzdb3f1h61/s/nPsfR6onyMwkCAR/OlC3yBC0IESvUoQEAssIrw==",
    "engines": {
      "node": ">= 0.8"
    }
  },

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```

"node_modules/destroy": {
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  "resolved": "https://registry.npmjs.org/destroy/-/destroy-1.2.0.tgz",
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  "engines": {
    "node": ">= 0.8",
    "npm": "1.2.8000 || >= 1.4.16"
  }
},
"node_modules/ee-first": {
  "version": "1.1.1",
  "resolved": "https://registry.npmjs.org/ee-first/-/ee-first-1.1.1.tgz",
  "integrity": "sha512-WMwm9LhRUo+WUaRN+vRuETqG89IgZphVSNkdFgeb6sS/E4OrDIN7t48CAewSHXc6C8lefD8KKfr5vY61brQlow==",
  },
"node_modules/ejs": {
  "version": "3.1.9",
  "resolved": "https://registry.npmjs.org/ejs/-/ejs-3.1.9.tgz",
  "integrity": "sha512-rC+QVNMJWv+MtPgkt0y+0rVEIdbtXVADApW9JXrUVIzHetgcyzP/E7DJmWJ4fJCZF2cPcBk0laWO9ZHMg3DmQ==",
  "dependencies": {
    "jake": "^10.8.5"
  },
  "bin": {
    "ejs": "bin/cli.js"
  },
  "engines": {
    "node": ">=0.10.0"
  }
}

```

```
},
"node_modules/encodeurl": {
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  "resolved": "https://registry.npmjs.org/encodeurl/-/encodeurl-1.0.2.tgz",
  "integrity": "sha512-TPJXq8JqFaVYm2CWmPvnP2Iyo4ZSM7/QKcSmuMLDObfPH5fi7RUGmd/rTDf+rut/saiDiQEeVTNgAmJEdAOx0w==",
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  }
},
"node_modules/escape-html": {
  "version": "1.0.3",
  "resolved": "https://registry.npmjs.org/escape-html/-/escape-html-1.0.3.tgz",
  "integrity": "sha512-YxExigfAWQ8497y4z43V7EBkJssHxFZWln37hMaLifLXPvI527DlM4AVT0qlW64Eg6VUyRw93758iGcL5g==",
  "engines": {
    "node": ">= 0.6"
  }
},
"node_modules/etag": {
  "version": "1.8.1",
  "resolved": "https://registry.npmjs.org/etag/-/etag-1.8.1.tgz",
  "integrity": "sha512-aIL5Fx7mawVa300aI2BnEE4iNvo1qETxLrPI/o05L7z6go7fCw1J6EQmbK4FmJ2AS7kgVF/KEZWufBfdClMcPg==",
  "engines": {
    "node": ">= 0.6"
  }
},
"node_modules/express": {
  "version": "4.18.2",
  "resolved": "https://registry.npmjs.org/express/-/express-4.18.2.tgz",
  "integrity": "sha512-5/PSL6iGPdfQ/IKM1UuielYgv3BUoJfz1aUwU9vHZ+J7gyvwdQXFEBIEIaxeGf0GIcreATNyBExtalisD buMqQ==",

```

```
"dependencies": {  
  "accepts": "~1.3.8",  
  "array-flatten": "1.1.1",  
  "body-parser": "1.20.1",  
  "content-disposition": "0.5.4",  
  "content-type": "~1.0.4",  
  "cookie": "0.5.0",  
  "cookie-signature": "1.0.6",  
  "debug": "2.6.9",  
  "depd": "2.0.0",  
  "encodeurl": "~1.0.2",  
  "escape-html": "~1.0.3",  
  "etag": "~1.8.1",  
  "finalhandler": "1.2.0",  
  "fresh": "0.5.2",  
  "http-errors": "2.0.0",  
  "merge-descriptors": "1.0.1",  
  "methods": "~1.1.2",  
  "on-finished": "2.4.1",  
  "parseurl": "~1.3.3",  
  "path-to-regexp": "0.1.7",  
  "proxy-addr": "~2.0.7",  
  "qs": "6.11.0",  
  "range-parser": "~1.2.1",  
  "safe-buffer": "5.2.1",  
  "send": "0.18.0",  
  "serve-static": "1.15.0",  
  "setprototypeof": "1.2.0",  
  "statuses": "2.0.1",  
  "type-is": "~1.6.18",  
  "utils-merge": "1.0.1",  
}
```

```
"vary": "~1.1.2"
},
"engines": {
  "node": ">= 0.10.0"
}
},
"node_modules/express-session": {
  "version": "1.17.3",
  "resolved": "https://registry.npmjs.org/express-session/-/express-session-1.17.3.tgz",
  "integrity": "sha512-4+otWXlShYlG1Ma+2Jnn+xgKUZTMJ5QD3YvfilX3AcocOAbIkVylSWEklzALe/+Pu4qV6TYBj5GwOBFfdKqLBw==",
  "dependencies": {
    "cookie": "0.4.2",
    "cookie-signature": "1.0.6",
    "debug": "2.6.9",
    "depd": "~2.0.0",
    "on-headers": "~1.0.2",
    "parseurl": "~1.3.3",
    "safe-buffer": "5.2.1",
    "uid-safe": "~2.1.5"
  },
  "engines": {
    "node": ">= 0.8.0"
  }
},
"node_modules/express-session/node_modules/cookie": {
  "version": "0.4.2",
  "resolved": "https://registry.npmjs.org/cookie/-/cookie-0.4.2.tgz",
  "integrity": "sha512-aSWTXFzaKWkvHO1Ny/s+ePFpvKsPnjc551iI41v3ny/ow6tBG5Vd+FuqGNhh1LxOmVzOIGUriILOaokOvhaStA==",
```



```
"engines": {
  "node": ">= 0.6"
},
"node_modules/express/node_modules/body-parser": {
  "version": "1.20.1",
  "resolved": "https://registry.npmjs.org/body-parser/-/body-parser-1.20.1.tgz",
  "integrity": "sha512-jWi7abTbYwajOytWCQc37VulmWiRae5RyTpaCyDcS5/IMdtwSz5lOpDE67srw/HYe35f1z3fDQw+3txg7gNtWw==",
  "dependencies": {
    "bytes": "3.1.2",
    "content-type": "~1.0.4",
    "debug": "2.6.9",
    "depd": "2.0.0",
    "destroy": "1.2.0",
    "http-errors": "2.0.0",
    "iconv-lite": "0.4.24",
    "on-finished": "2.4.1",
    "qs": "6.11.0",
    "raw-body": "2.5.1",
    "type-is": "~1.6.18",
    "unpipe": "1.0.0"
  },
  "engines": {
    "node": ">= 0.8",
    "npm": "1.2.8000 || >= 1.4.16"
  },
  "node_modules/express/node_modules/raw-body": {
    "version": "2.5.1",
```

```
"resolved": "https://registry.npmjs.org/raw-body/-/raw-body-2.5.1.tgz",
  "integrity": "sha512-qqJBtEyVgS0ZmPGdCFPWJ3FreoqvG4MVQln/kCgF7Olq95IbOp0/BWyMwbdtn4VTvkM8Y7khCQ2Xgk/tcrCXig==",
  "dependencies": {
    "bytes": "3.1.2",
    "http-errors": "2.0.0",
    "iconv-lite": "0.4.24",
    "unpipe": "1.0.0"
  },
  "engines": {
    "node": ">= 0.8"
  }
},
"node_modules/filelist": {
  "version": "1.0.4",
  "resolved": "https://registry.npmjs.org/filelist/-/filelist-1.0.4.tgz",
  "integrity": "sha512-w1cEuf3S+DrLCQL7ET6kz+gmlJdbq9J7yXCSjK/OZCPA+qEN1WyF4ZAf0YYJa4/shHJra2t/d/r8SV4Ji+x+8Q==",
  "dependencies": {
    "minimatch": "^5.0.1"
  }
},
"node_modules/filelist/node_modules/brace-expansion": {
  "version": "2.0.1",
  "resolved": "https://registry.npmjs.org/brace-expansion/-/brace-expansion-2.0.1.tgz",
  "integrity": "sha512-XnAIVQ8eM+kC6aULx6wuQiwVsnzsi9d3WxzV3FpWTGA19F621kwdbbsAcFKXgKUHZWsy+mY6iL1sHTxWEFCytDA==",
  "dependencies": {
    "balanced-match": "^1.0.0"
  }
}
```

```
  },
  "node_modules/filelist/node_modules/minimatch": {
    "version": "5.1.6",
    "resolved": "https://registry.npmjs.org/minimatch/-/minimatch-5.1.6.tgz",
    "integrity": "sha512-lKwV/1brpG6mBUFHtb7NUmtABCb2WZZmm2wNiOA5hAb8VdCS4B3dtMWyvcoViccwAW/COERjXLt0zP1zXUN26g==",
    "dependencies": {
      "brace-expansion": "^2.0.1"
    },
    "engines": {
      "node": ">=10"
    }
  },
  "node_modules/fill-range": {
    "version": "7.0.1",
    "resolved": "https://registry.npmjs.org/fill-range/-/fill-range-7.0.1.tgz",
    "integrity": "sha512-qOo9F+dMUmC2Lcb4BbVvnKJxTPjCm+RRpe4gDuGrzkL7mEVl/djYSu2OdQ2Pa302N4oqkSg9ir6jaLWJ2USVpQ==",
    "dependencies": {
      "to-regex-range": "^5.0.1"
    },
    "engines": {
      "node": ">=8"
    }
  },
  "node_modules/finalhandler": {
    "version": "1.2.0",
    "resolved": "https://registry.npmjs.org/finalhandler/-/finalhandler-1.2.0.tgz",
    "integrity": "sha512-SXZpXrKnFOvWfy9C0weD32+SgUr7Y1o46dnggIw8FgEQsbAG6zJ7mdXrjUF+U84ksWk65/EbC1F4FgQxVg==",
    "dependencies": {
      "debug": "2.6.9",
      "encodeurl": "1.0.2",
      "escape-html": "1.0.3",
      "on-finished": "2.3.0",
      "parseurl": "1.3.3",
      "statuses": "1.5.0",
      "unpipe": "1.0.0"
    },
    "engines": {
      "node": ">= 0.8"
    }
  }
}
```

```
"dependencies": {
  "debug": "2.6.9",
  "encodeurl": "~1.0.2",
  "escape-html": "~1.0.3",
  "on-finished": "2.4.1",
  "parseurl": "~1.3.3",
  "statuses": "2.0.1",
  "unpipe": "~1.0.0"
},
"engines": {
  "node": ">= 0.8"
}
},
"node_modules/forwarded": {
  "version": "0.2.0",
  "resolved": "https://registry.npmjs.org/forwarded/-/forwarded-0.2.0.tgz",
  "integrity": "sha512-BuRG0fpBtRHSTCOASe6hD258tEubFoRLb4ZNA6NxMVHNw2gOcwHo9wyablzMzOA5z9xA9L1KNjk/Nt6MT9aYow==",
  "engines": {
    "node": ">= 0.6"
  }
},
"node_modules/fresh": {
  "version": "0.5.2",
  "resolved": "https://registry.npmjs.org/fresh/-/fresh-0.5.2.tgz",
  "integrity": "sha512-tWUWlBz1994WolpS5Lh8lVU4xVx6DZ96r5Hd3G09yPzU5Uk8/H33m3v/9a1zH9e6zH3QmK8wW5Xj1Uw==",
  "engines": {
    "node": ">= 0.6"
  }
}
```

```
},
"node_modules/fsevents": {
  "version": "2.3.3",
  "resolved": "https://registry.npmjs.org/fsevents/-/fsevents-2.3.3.tgz",
  "integrity": "sha512-5xoDfX+fL7faATnagmWPpbFtwh/R77WmMMqqHGS65C3vvB0YHrgF+B1YmZ3441tMj5n63k0212XNoJwzlhffQw==",
  "hasInstallScript": true,
  "optional": true,
  "os": [
    "darwin"
  ],
  "engines": {
    "node": "^8.16.0 || ^10.6.0 || >=11.0.0"
  }
},
"node_modules/function-bind": {
  "version": "1.1.2",
  "resolved": "https://registry.npmjs.org/function-bind/-/function-bind-1.1.2.tgz",
  "integrity": "sha512-7XHNxH7qX9xG5mIwxkhumTox/MIRNcOgDrxWsMt2pAr23WHP6MrRlN7FBSFpCpr+oVO0F744iUgR82nJMfG2SA==",
  "funding": {
    "url": "https://github.com/sponsors/ljharb"
  }
},
"node_modules/get-intrinsic": {
  "version": "1.2.2",
  "resolved": "https://registry.npmjs.org/get-intrinsic/-/get-intrinsic-1.2.2.tgz",
  "integrity": "sha512-0gSo4ml/0j98Y3IngkFEot/zhiCeWsbYIIZ+uZOVgzLyLaUw7wxUL+nCTP0XJvJg1AXulJRI3UI8GsbDuxdGA==",
  "dependencies": {
```

```
"function-bind": "^1.1.2",
"has-proto": "^1.0.1",
"has-symbols": "^1.0.3",
"hasown": "^2.0.0"
},
"funding": {
  "url": "https://github.com/sponsors/ljharb"
}
},
"node_modules/glob-parent": {
  "version": "5.1.2",
  "resolved": "https://registry.npmjs.org/glob-parent/-/glob-parent-5.1.2.tgz",
  "integrity": "sha512-AOIgSQCepiJYwP3ARnGx+5VnTu2HBYdzbGP45eLw1vr3zB3vZLeyed1sC9hnbcOc9/SrMyM5RPQrkGz4aS9Zow==",
  "dependencies": {
    "is-glob": "^4.0.1"
  },
  "engines": {
    "node": ">= 6"
  }
},
"node_modules/gopd": {
  "version": "1.0.1",
  "resolved": "https://registry.npmjs.org/gopd/-/gopd-1.0.1.tgz",
  "integrity": "sha512-d65bNlIadxvpb/A2abVdlqKqV563juRnZ1Wtk6s1sIR8uNsXR70xqlzVqxVf1eTqDunwT2MkczEeaezCKTZhwa==",
  "dependencies": {
    "get-intrinsic": "^1.1.3"
  },
  "funding": {
```

```

    "url": "https://github.com/sponsors/ljharb"
  }
},
"node_modules/has-flag": {
  "version": "4.0.0",
  "resolved": "https://registry.npmjs.org/has-flag/-/has-flag-4.0.0.tgz",
  "integrity": "sha512-EykJT/Q1KjTWctppgIAgfSO0tKVuZUjhgMr17kqTumMl6Afv3EISleU7qZUzoXDFTAHTDC4NOoG/ZxU3EvlMPQ==",
  "engines": {
    "node": ">=8"
  }
},
"node_modules/has-property-descriptors": {
  "version": "1.0.1",
  "resolved": "https://registry.npmjs.org/has-property-descriptors/-/has-property-descriptors-1.0.1.tgz",
  "integrity": "sha512-VsX8ealewvas0xnvinAe9bw4WfleODpGYikiWYlH+dma0Jw6KHYqWiWfhQlgOVK8D6PvjubK5Uc4P0ilhIcNVg==",
  "dependencies": {
    "get-intrinsic": "^1.2.2"
  },
  "funding": {
    "url": "https://github.com/sponsors/ljharb"
  }
},
"node_modules/has-proto": {
  "version": "1.0.1",
  "resolved": "https://registry.npmjs.org/has-proto/-/has-proto-1.0.1.tgz",
  "integrity": "sha512-7bkLe3oMl0UeS32JiXoZjUJ4OjZKKnSsWtdhm5U+GDld9dKpzEdd84dn3UgkRtL9I+Zb5Gfqib1XoIi4wQ==",
  "engines": {

```

```
"node": ">= 0.4"
},
"funding": {
  "url": "https://github.com/sponsors/ljharb"
}
},
"node_modules/has-symbols": {
  "version": "1.0.3",
  "resolved": "https://registry.npmjs.org/has-symbols/-/has-symbols-1.0.3.tgz",
  "integrity": "sha512-13LCuF6MgDNwTDKkdYGEihYjt5pRPbEg46rtlmnSPIUbgbMB8LOIrKJbYYFBSbnPaJexMKtiPO8hmeRjRz2Td+A==",
  "engines": {
    "node": ">= 0.4"
  },
  "funding": {
    "url": "https://github.com/sponsors/ljharb"
  }
},
"node_modules/hasown": {
  "version": "2.0.0",
  "resolved": "https://registry.npmjs.org/hasown/-/hasown-2.0.0.tgz",
  "integrity": "sha512-1vInI58mC5pqVb00CqX8Qy7/8R71LI86gZQ60S62sWsjXTwLr6UbeaCyw/LMf1/q085eSM4Lx62ysnJWY=",
  "dependencies": {
    "function-bind": "^1.1.2"
  },
  "engines": {
    "node": ">= 0.4"
  }
},
```



```
"node_modules/http-errors": {
  "version": "2.0.0",
  "resolved": "https://registry.npmjs.org/http-errors/-/http-errors-2.0.0.tgz",
  "integrity": "sha512-FtwrG/euBzaEjYeRqOgly7G0qviiXoJWnvEH2Z1plBdXgbyjv34pHTSb9zoeHMyDy33+DWy5Wt9Wo+TURtOYSQ==",
  "dependencies": {
    "depd": "2.0.0",
    "inherits": "2.0.4",
    "setprototypeof": "1.2.0",
    "statuses": "2.0.1",
    "toidentifier": "1.0.1"
  },
  "engines": {
    "node": ">= 0.8"
  }
},
"node_modules/iconv-lite": {
  "version": "0.4.24",
  "resolved": "https://registry.npmjs.org/iconv-lite/-/iconv-lite-0.4.24.tgz",
  "integrity": "sha512-v3MXnZAcvnywkTUEZomIAcle7RXXeedOR3lwwl7VlyoXO4Qi9arvSenNQWne1TcRwhCL1HwLI2lbEqdpj8/rA==",
  "dependencies": {
    "safer-buffer": ">= 2.1.2 < 3"
  },
  "engines": {
    "node": ">=0.10.0"
  }
},
"node_modules/ignore-by-default": {
  "version": "1.0.1",
```

```
"resolved": "https://registry.npmjs.org/ignore-by-default/-/ignore-by-default-1.0.1.tgz",
  "integrity": "sha512-Ius2VYcGNk7T90CppJqcIkS5ooHUYyIQK+ClZfMfMNFEEF9VSE73Fq+906u/CWu92x4gzZMWOwFfYckPObzdEbA=="
},
"node_modules/inherits": {
  "version": "2.0.4",
  "resolved": "https://registry.npmjs.org/inherits/-/inherits-2.0.4.tgz",
  "integrity": "sha512-k/vGaX4/Yla3WzyMCvTQOXYeIHvqOKtnqBduzTHpzpQZzAskKMhZ2K+EnBiSM9zGSoIFeMpXXKxa4dYeZIQqewQ=="
},
"node_modules/ip": {
  "version": "2.0.0",
  "resolved": "https://registry.npmjs.org/ip/-/ip-2.0.0.tgz",
  "integrity": "sha512-Xu6Ll3333G7XId38X02YkQd3tnYIqX8U7s0o7icUqLzKyZNSqZl8B+oWpU06WwzoZD9N7ud1+tD4qo/f3Q=="
},
"node_modules/ipaddr.js": {
  "version": "1.9.1",
  "resolved": "https://registry.npmjs.org/ipaddr.js/-/ipaddr.js-1.9.1.tgz",
  "integrity": "sha512-0KI/607xoxSTOH7GjN1FfSbLoU0+btTicjsQSWQlh/hZykN8KpmMf7uYwPW3R+akZ6R/w18ZlXSHBYXiYUPO3g==",
  "engines": {
    "node": ">= 0.10"
  }
},
"node_modules/is-binary-path": {
  "version": "2.1.0",
  "resolved": "https://registry.npmjs.org/is-binary-path/-/is-binary-path-2.1.0.tgz",
  "integrity": "sha512-ZMERYes6pDydyuGidse7OsHxtbI7WVeUEozgR/g7rd0xUimYNlvZRE/K2MgZTjWy725IfelLeVcEM97mmtRGXw==",

```

```
"dependencies": {
  "binary-extensions": "^2.0.0"
},
"engines": {
  "node": ">=8"
}
},
"node_modules/is-extglob": {
  "version": "2.1.1",
  "resolved": "https://registry.npmjs.org/is-extglob/-/is-extglob-2.1.1.tgz",
  "integrity": "sha512-SbKbANkN603Vi4jEZv49LeVJMn4yGwsbzZworEoyEiutsN3nJYdbO36zfhGJ6QEDpOZIFkDtnq5JRxmvl3jsoQ==",
  "engines": {
    "node": ">=0.10.0"
  }
},
"node_modules/is-glob": {
  "version": "4.0.3",
  "resolved": "https://registry.npmjs.org/is-glob/-/is-glob-4.0.3.tgz",
  "integrity": "sha512-xelSayHH36ZgE7ZWWhli7pW34hNbNl8Ojv5KVmkJD4hBdD3th8Tfk9vYasLM+mXWOZhFkgZfxhLSnrwRr4elSSg==",
  "dependencies": {
    "is-extglob": "^2.1.1"
  },
  "engines": {
    "node": ">=0.10.0"
  }
},
"node_modules/is-number": {
  "version": "7.0.0",
```

```
"resolved": "https://registry.npmjs.org/is-number/-/is-number-7.0.0.tgz",
  "integrity": "sha512-41Cifkg6e8TylSpdtTpeLVMqvSBEVzTttHvERD741+pnZ8ANv0004MRL43QKPD1K9cGvNp6NZWZUBlbGXYxxng==",
  "engines": {
    "node": ">=0.12.0"
  },
},
"node_modules/jake": {
  "version": "10.8.7",
  "resolved": "https://registry.npmjs.org/jake/-/jake-10.8.7.tgz",
  "integrity": "sha512-ZDi3aP+fG/LchyBzUM804VjddnwfsfsdeYkwt8NcbKRvo4rFkjhs456iLFn3k2ZUWvNe4i48WACDbza8fhq2+w==",
  "dependencies": {
    "async": "^3.2.3",
    "chalk": "^4.0.2",
    "filelist": "^1.0.4",
    "minimatch": "^3.1.2"
  },
  "bin": {
    "jake": "bin/cli.js"
  },
  "engines": {
    "node": ">=10"
  },
},
"node_modules/kareem": {
  "version": "2.5.1",
  "resolved": "https://registry.npmjs.org/kareem/-/kareem-2.5.1.tgz",
  "integrity": "sha512-U5rKt28E7rF8Y3wv+INJ0E52G8hxiX2sW0BpFp5F8kX/Np+U5jH8SYhF2KtnrMsUwBt6IbXj40k7I+AcA==",
  "dependencies": {
    "mquery": "3.0.2"
  },
  "engines": {
    "node": ">=4.0.0"
  },
  "funding": {
    "type": "opencollective",
    "url": "https://opencollective.com/kareem"
  }
}
```

```

    "engines": {
      "node": ">=12.0.0"
    }
  },
  "node_modules/lru-cache": {
    "version": "6.0.0",
    "resolved": "https://registry.npmjs.org/lru-cache/-/lru-cache-6.0.0.tgz",
    "integrity": "sha512-Jo6dJ04CmSjuznwJSS3pUeWmd/H0ffTlkXXgwZi+eq1lUCmqQwCh+eLsYOYCwY99li2Fah4h1BEMC
x4qThGbsiA==",
    "dependencies": {
      "yallist": "^4.0.0"
    },
    "engines": {
      "node": ">=10"
    }
  },
  "node_modules/media-typer": {
    "version": "0.3.0",
    "resolved": "https://registry.npmjs.org/media-typer/-/media-typer-0.3.0.tgz",
    "integrity": "sha512-dq+qelQ9akHpcOl/gUVRTxVIOkAJ1wR3QAvb4RsVjS8oVoFjDGTc679wJYmUmknUF5HwMLOgb5
O+a3KxfWapPQ==",
    "engines": {
      "node": ">= 0.6"
    }
  },
  "node_modules/memory-pager": {
    "version": "1.5.0",
    "resolved": "https://registry.npmjs.org/memory-pager/-/memory-pager-1.5.0.tgz",
    "integrity": "sha512-ZS4Bp4r/Zoeq6+NLJpP+0Zzm0pR8whtGPf1XEXKLJBaczGMnSi3It14OiNCSjtjQjM6NU1okjQGSxgE
ZN8eBYKg==",

```

```
"optional": true
},
"node_modules/merge-descriptors": {
  "version": "1.0.1",
  "resolved": "https://registry.npmjs.org/merge-descriptors/-/merge-descriptors-1.0.1.tgz",
  "integrity": "sha512-  
cCi6g3/Zr1iqQi6ySbseM1Xvooa98N0w31jzUYrXPX2xqObmFGHJ0tQ5u74H3mVh7wLouTseZyYIq39  
g8cNp1w==",
},
"node_modules/methods": {
  "version": "1.1.2",
  "resolved": "https://registry.npmjs.org/methods/-/methods-1.1.2.tgz",
  "integrity": "sha512-  
iclAHeNqNm68zFtnZ0e+1L2yUIdvzNoauKU4WBA3VvH/vPFieF7qfRlwUZU+DA9P9bPXIS90ulxoUo  
CH23sV2w==",
  "engines": {
    "node": ">= 0.6"
  }
},
"node_modules/mime": {
  "version": "1.6.0",
  "resolved": "https://registry.npmjs.org/mime/-/mime-1.6.0.tgz",
  "integrity": "sha512-  
x0Vn8spI+wuJ1O6S7gnbaQg8Pxh4NNHb7KSINmEWKiPE4RKOpIvijn+NkmYmmRgP68mc70j2EbeT  
FRsrswaQeg==",
  "bin": {
    "mime": "cli.js"
  },
  "engines": {
    "node": ">=4"
  }
},
"node_modules/mime-db": {
```

```
"version": "1.52.0",

"resolved": "https://registry.npmjs.org/mime-db/-/mime-db-1.52.0.tgz",

"integrity": "sha512-sPU4uV7dYlvtWJxwwwHD0PuihVNiE7TyAbQ5SWxDCB9mUYvOgroQOwYQQOKPJ8CiIbE+1ETVlOoK1UC2nU3gYvg==",

"engines": {
  "node": ">= 0.6"
},

"node_modules/mime-types": {
  "version": "2.1.35",
  "resolved": "https://registry.npmjs.org/mime-types/-/mime-types-2.1.35.tgz",
  "integrity": "sha512-ZDY+bPm5zTTF+YpCrAU9nK0UgICYPT0QtT1NZWFv4s++TNkcgVaT0g6+4R2uI4MjQjzysHB1zXuWL50hzaeXiw==",
  "dependencies": {
    "mime-db": "1.52.0"
  },
  "engines": {
    "node": ">= 0.6"
  }
},

"node_modules/minimatch": {
  "version": "3.1.2",
  "resolved": "https://registry.npmjs.org/minimatch/-/minimatch-3.1.2.tgz",
  "integrity": "sha512-J7p63hRiAjw1NDEww1W7i37+ByIrOWO5XQQAZZ3VOcL0PNybwpmfV/N05zFAzwQ9USyEcX6t3UO+K5aqBQOIhw==",
  "dependencies": {
    "brace-expansion": "^1.1.7"
  },
  "engines": {
    "node": "*"
  }
}
```

```

    }
  },
  "node_modules/mongodb": {
    "version": "5.9.0",
    "resolved": "https://registry.npmjs.org/mongodb/-/mongodb-5.9.0.tgz",
    "integrity": "sha512-g+GCMHN1CoRUA+wb1Agv0TI4YTSiWr42B5ulkiAfLLHitGK1R+PkSAf3Lr5rPZwi/3F04LiaZEW0Kxro9Fi2TA==",
    "dependencies": {
      "bson": "^5.5.0",
      "mongodb-connection-string-url": "^2.6.0",
      "socks": "^2.7.1"
    },
    "engines": {
      "node": ">=14.20.1"
    },
    "optionalDependencies": {
      "@mongodb-js/saslprep": "^1.1.0"
    },
    "peerDependencies": {
      "@aws-sdk/credential-providers": "^3.188.0",
      "@mongodb-js/zstd": "^1.0.0",
      "kerberos": "^1.0.0 || ^2.0.0",
      "mongodb-client-encryption": ">=2.3.0 <3",
      "snappy": "^7.2.2"
    },
    "peerDependenciesMeta": {
      "@aws-sdk/credential-providers": {
        "optional": true
      },
      "@mongodb-js/zstd": {

```



```
    "optional": true
  },
  "kerberos": {
    "optional": true
  },
  "mongodb-client-encryption": {
    "optional": true
  },
  "snappy": {
    "optional": true
  }
},
"node_modules/mongodb-connection-string-url": {
  "version": "2.6.0",
  "resolved": "https://registry.npmjs.org/mongodb-connection-string-url/-/mongodb-connection-string-url-2.6.0.tgz",
  "integrity": "sha512-WvTZII9ab0QYtTYnuMLgobULWhokRjtC7db9LtcVfJ+Hsnyr5eo6ZtNAt3Ly24XZScGMelOcGtm7lSn0332tPQ==",
  "dependencies": {
    "@types/whatwg-url": "^8.2.1",
    "whatwg-url": "^11.0.0"
  }
},
"node_modules/mongoose": {
  "version": "7.6.3",
  "resolved": "https://registry.npmjs.org/mongoose/-/mongoose-7.6.3.tgz",
  "integrity": "sha512-moYP2qWCOdWRDeBxqB/zYwQmQnTBsF5DoolX5uPyI218BkiA1ujGY27P0NTd4oWIX+LLkZPw0LDzlc/7oh1plg==",
  "dependencies": {
    "bson": "^5.5.0",
```

```
"kareem": "2.5.1",
"mongodb": "5.9.0",
"mpath": "0.9.0",
"mquery": "5.0.0",
"ms": "2.1.3",
"sift": "16.0.1"
},
"engines": {
  "node": ">=14.20.1"
},
"funding": {
  "type": "opencollective",
  "url": "https://opencollective.com/mongoose"
},
"node_modules/mongoose/node_modules/ms": {
  "version": "2.1.3",
  "resolved": "https://registry.npmjs.org/ms/-/ms-2.1.3.tgz",
  "integrity": "sha512-6FlzubTLZG3J2a/NVCAleEhJzq5oxgHyaCU9yYXvcLsvoVaHJq/s5xXI6/XXP6tz7R9xAOtHnSO/tXtF3WRTIA==",
  },
  "node_modules/mpath": {
    "version": "0.9.0",
    "resolved": "https://registry.npmjs.org/mpath/-/mpath-0.9.0.tgz",
    "integrity": "sha512-ikJRQTk8hw5DEoFVxHG1Gn9T/xcjtdnOKIU1JTmGjZZlg9LST2mBLmcX3/IClbgJydT2GOc15RnNy5mHmzfSew==",
    "engines": {
      "node": ">=4.0.0"
    }
  },
}
```

```
"node_modules/mquery": {
  "version": "5.0.0",
  "resolved": "https://registry.npmjs.org/mquery/-/mquery-5.0.0.tgz",
  "integrity": "sha512-iQMncpmEK8R8ncT8HJGsGc9Dsp8xcgYMVSBs5jgnm1lFHTZqMJTUWTDx1LBO8+mK3tPNZWFLBghQEIOULSTHZg==",
  "dependencies": {
    "debug": "4.x"
  },
  "engines": {
    "node": ">=14.0.0"
  }
},
"node_modules/mquery/node_modules/debug": {
  "version": "4.3.4",
  "resolved": "https://registry.npmjs.org/debug/-/debug-4.3.4.tgz",
  "integrity": "sha512-PRWFFHuSU3eDtQJPvnNY7Jcket1j0t5OuOsFzPPzsekD52Zl8qUfFIPEiswXqIvHWGVHOgX+7G/vCN NhehwxfkQ==",
  "dependencies": {
    "ms": "2.1.2"
  },
  "engines": {
    "node": ">=6.0"
  },
  "peerDependenciesMeta": {
    "supports-color": {
      "optional": true
    }
  }
},
"node_modules/mquery/node_modules/ms": {
```

```
"version": "2.1.2",

"resolved": "https://registry.npmjs.org/ms/-/ms-2.1.2.tgz",

"integrity": "sha512-sGkPx+VjMtmA6MX27oA4FBFELFCZZ4S4XqeGOXCv68tT+jb3vk/RyaKWP0PTKyWtmLSM0b+ad
UTEvbs1PEaH2w=="

},

"node_modules/ms": {

"version": "2.0.0",

"resolved": "https://registry.npmjs.org/ms/-/ms-2.0.0.tgz",

"integrity": "sha512-Tpp60P6IUJDTuOq/5Z8cdskzJujfwqfOTkrwIwj7IRISpnkJnT6SyJ4PCPnGMoFjC9ddhal5KVIYtAt97ix
05A=="

},

"node_modules/negotiator": {

"version": "0.6.3",

"resolved": "https://registry.npmjs.org/negotiator/-/negotiator-0.6.3.tgz",

"integrity": "sha512-EUUsQGPLsM+j/zdChZjsnX51g4XrHFOIXwfnCVPglQk/k5giakcKsuxCObBRu6DSm9opw/O6slWbJd
ghQM4bBg=="

"engines": {

"node": ">= 0.6"

}

},

"node_modules/nodemon": {

"version": "3.0.1",

"resolved": "https://registry.npmjs.org/nodemon/-/nodemon-3.0.1.tgz",

"integrity": "sha512-g9AZ7HmkhQkqXkRc20w+ZfQ73cHLbE8hnPbtaFbFtCumZsjyMhKk9LajQ07U5Ux28lvFjZ5X7HvWR
1xzU8jHVw=="

"dependencies": {

"chokidar": "^3.5.2",

"debug": "^3.2.7",

"ignore-by-default": "^1.0.1",

"minimatch": "^3.1.2",
```

```
"pstree.remy": "^1.1.8",
"semver": "^7.5.3",
"simple-update-notifier": "^2.0.0",
"supports-color": "^5.5.0",
"touch": "^3.1.0",
"undefsafe": "^2.0.5"
},
"bin": {
  "nodemon": "bin/nodemon.js"
},
"engines": {
  "node": ">=10"
},
"funding": {
  "type": "opencollective",
  "url": "https://opencollective.com/nodemon"
}
},
"node_modules/nodemon/node_modules/debug": {
  "version": "3.2.7",
  "resolved": "https://registry.npmjs.org/debug/-/debug-3.2.7.tgz",
  "integrity": "sha512-CFjzYYAi4ThfiQvizrFQevTTXHtnCqWfe7x1AhgEscTz6ZbLbfoLRLPugTQyBth6f8ZERVUSyWHFD/7Wu4t1XQ==",
  "dependencies": {
    "ms": "^2.1.1"
  }
},
"node_modules/nodemon/node_modules/has-flag": {
  "version": "3.0.0",
  "resolved": "https://registry.npmjs.org/has-flag/-/has-flag-3.0.0.tgz",
```

```
"integrity": "sha512-
sKJf1+ceQBr4SMkvQnBDNDtf4TXpVhVGateu0t918bl30FnBE2m4vNLX+VWe/dpjlB+HugGYzW7uQ
XH98HPEYw==",

"engines": {
  "node": ">=4"
},
},

"node_modules/nodemon/node_modules/ms": {
  "version": "2.1.3",
  "resolved": "https://registry.npmjs.org/ms/-/ms-2.1.3.tgz",
  "integrity": "sha512-
6FlzubTLZG3J2a/NVCAleEhJzq5oxgHyaCU9yYXvcLsvoVaHJq/s5xXI6/XXP6tz7R9xAOtHnSO/tXtF3
WRTIA==",
},

"node_modules/nodemon/node_modules/supports-color": {
  "version": "5.5.0",
  "resolved": "https://registry.npmjs.org/supports-color/-/supports-color-5.5.0.tgz",
  "integrity": "sha512-
QjVjwdXI408MliAqCX4oUKsgU2EqAGzs2Ppkm4aQYbjm+ZEWECW4SfFNTr4uMNZma0ey4f5lgLr
kB0aX0QMow==",
  "dependencies": {
    "has-flag": "^3.0.0"
  },
  "engines": {
    "node": ">=4"
  },
},

"node_modules/nopt": {
  "version": "1.0.10",
  "resolved": "https://registry.npmjs.org/nopt/-/nopt-1.0.10.tgz",
  "integrity": "sha512-
NWmpvLSqUrgrAC9HCuxEVB+PSloHppqVu+FqcO4eeF2h5qYRhA7ev6KvelyQAKtegUbC6RypJnlEOh
d8vloNKYg==",
  "dependencies": {
```

```
"abbrev": "1"
},
"bin": {
  "nopt": "bin/nopt.js"
},
"engines": {
  "node": "*"
}
},
"node_modules/normalize-path": {
  "version": "3.0.0",
  "resolved": "https://registry.npmjs.org/normalize-path/-/normalize-path-3.0.0.tgz",
  "integrity": "sha512-6eZs5Ls3WtCisHWp9S2GUy8dqkpGi4BVSz3GaQIE6ezub0512ESztXUwUB6C6IKbQkY2Pnb/mD4WYojCRwcwLA==",
  "engines": {
    "node": ">=0.10.0"
  }
},
"node_modules/object-inspect": {
  "version": "1.13.1",
  "resolved": "https://registry.npmjs.org/object-inspect/-/object-inspect-1.13.1.tgz",
  "integrity": "sha512-5qoj1RUiKOMsCCNLV1CBiPYE10sziTsnmNxxkAI/rZhiD63CF7IqdFGC/XzjWjpSgLf0LxXX3bDFIh0E18f6UhQ==",
  "funding": {
    "url": "https://github.com/sponsors/ljharb"
  }
},
"node_modules/on-finished": {
  "version": "2.4.1",
  "resolved": "https://registry.npmjs.org/on-finished/-/on-finished-2.4.1.tgz,
```

```
"integrity": "sha512-
oVlzkG3ENAhCk2zdV7IJwd/QUd4z2RxRwpkcGY8psCVcCYZNq4wYnVWALHM+brtuJjePWiYF/Cl
muDr8Ch5+kg==",
```

```
"dependencies": {
```

```
"ee-first": "1.1.1"
```

```
},
```

```
"engines": {
```

```
"node": ">= 0.8"
```

```
}
```

```
},
```

```
"node_modules/on-headers": {
```

```
"version": "1.0.2",
```

```
"resolved": "https://registry.npmjs.org/on-headers/-/on-headers-1.0.2.tgz",
```

```
"integrity": "sha512-
pZAE+FJLoyITytdqK0U5s+FIpjN0JP3OzFi/u8Rx+EV5/W+JTWGXG8xFzevE7AjBfDqHv/8vL8qQsIh
HnqRkrA==",
```

```
"engines": {
```

```
"node": ">= 0.8"
```

```
}
```

```
},
```

```
"node_modules/parseurl": {
```

```
"version": "1.3.3",
```

```
"resolved": "https://registry.npmjs.org/parseurl/-/parseurl-1.3.3.tgz",
```

```
"integrity": "sha512-
CiyeOxFT/JZyN5m0z9PfXw4SCBJ6Syz1Dpl0wqjlhDEGGBP1GnsUVEL0p63hoG1fcj3fHynXi9NYO
4nWOL+qQ==",
```

```
"engines": {
```

```
"node": ">= 0.8"
```

```
}
```

```
},
```

```
"node_modules/passport": {
```

```
"version": "0.6.0",
```

```
"resolved": "https://registry.npmjs.org/passport/-/passport-0.6.0.tgz",
```



```
"integrity": "sha512-0fe+p3ZnrWRW74fe8+SvCyf4a3Pb2/h7gFkQ8yTJpAO50gDzlfjZUZTO1k5Eg9kUct22OxHLqDZoKUWRHOH9ug==",
```

```
"dependencies": {
```

```
  "passport-strategy": "1.x.x",
```

```
  "pause": "0.0.1",
```

```
  "utils-merge": "^1.0.1"
```

```
},
```

```
"engines": {
```

```
  "node": ">= 0.4.0"
```

```
},
```

```
"funding": {
```

```
  "type": "github",
```

```
  "url": "https://github.com/sponsors/jaredhanson"
```

```
}
```

```
},
```

```
"node_modules/passport-local": {
```

```
  "version": "1.0.0",
```

```
  "resolved": "https://registry.npmjs.org/passport-local/-/passport-local-1.0.0.tgz",
```

```
  "integrity": "sha512-9wCE6qKznvf9mQYYbgJ3sVOHmCWoUNMVFoZzNoznmISbhnNNPhN9xfY3sLmScHMetEJeoY7CXwfhCe7argfQow==",
```

```
  "dependencies": {
```

```
    "passport-strategy": "1.x.x"
```

```
  },
```

```
  "engines": {
```

```
    "node": ">= 0.4.0"
```

```
  }
```

```
},
```

```
"node_modules/passport-strategy": {
```

```
  "version": "1.0.0",
```

```
  "resolved": "https://registry.npmjs.org/passport-strategy/-/passport-strategy-1.0.0.tgz",
```

```
"integrity": "sha512-
CB97UUvDKJde2V0KDWB3lyf6PC3FaZP7YxZ2G8OAtn9p4HI9j9JLP9qjOGZFvyl8uwNT8qM+hG
nz/n16NI7oA==",
  "engines": {
    "node": ">= 0.4.0"
  },
  "node_modules/path-to-regexp": {
    "version": "0.1.7",
    "resolved": "https://registry.npmjs.org/path-to-regexp/-/path-to-regexp-0.1.7.tgz",
    "integrity": "sha512-
5DFkuoqlv1uYQKxy8omFBeJPQcdoE07Kv2sferDCrAq1ohOU+MSDsWDIbnx3YAM60qIOhYa53wBh
XW0EbMonrQ=="
  },
  "node_modules/pause": {
    "version": "0.0.1",
    "resolved": "https://registry.npmjs.org/pause/-/pause-0.0.1.tgz",
    "integrity": "sha512-
KG8UEiEVkr3wGEb4m5yZkVCzigAD+cVEJck2CzYZO37ZGJfctvVptVO192MwrtPhzONn6go8ylnO
dMhKqi4nfg=="
  },
  "node_modules/picomatch": {
    "version": "2.3.1",
    "resolved": "https://registry.npmjs.org/picomatch/-/picomatch-2.3.1.tgz",
    "integrity": "sha512-
JU3teHTNjmE2VCGFzuY8EXzCDVwEqB2a8fsIvwaStHhAWJEeVd1o1QD80CU6+ZdEXXSLbSsuLw
JjkCBWqRQUVA=="
  },
  "engines": {
    "node": ">=8.6"
  },
  "funding": {
    "url": "https://github.com/sponsors/jonschlinkert"
  },
}
```

```
"node_modules/proxy-addr": {
  "version": "2.0.7",
  "resolved": "https://registry.npmjs.org/proxy-addr/-/proxy-addr-2.0.7.tgz",
  "integrity": "sha512-llQsMLSUDUPT44jdrU/O37qlnifitDP+ZwrmmZcoSKyLKvtZxpyV0n2/bD/N4tBAAZ/gJEdZU7KMraoK1+XYAg==",
  "dependencies": {
    "forwarded": "0.2.0",
    "ipaddr.js": "1.9.1"
  },
  "engines": {
    "node": ">= 0.10"
  }
},
"node_modules/pstree.remy": {
  "version": "1.1.8",
  "resolved": "https://registry.npmjs.org/pstree.remy/-/pstree.remy-1.1.8.tgz",
  "integrity": "sha512-77DZwxQmxKnu3aR542U+X8FypNzbfJ+C5XQDk3uWjWxn6151aIMGthWYRXTqT1E5oJvg+ljaa2OJi+VfvCOQ8w==",
  },
"node_modules/punycode": {
  "version": "2.3.0",
  "resolved": "https://registry.npmjs.org/punycode/-/punycode-2.3.0.tgz",
  "integrity": "sha512-rRV+zQD8tVFys26lAGR9WUuS4iUAngJScM+ZRSKtvl5tKeZ2t5bvdNFdNHBW9FWR4guGHlgmsZ1G7BSm2wTbuA==",
  "engines": {
    "node": ">=6"
  }
},
"node_modules/qs": {
  "version": "6.11.0",
```

```

    "resolved": "https://registry.npmjs.org/qs/-/qs-6.11.0.tgz",
    "integrity": "sha512-MvjoMCJWEarSbUYk5O+nmoSzSutSsTwF85zcHPQ9OrlFoZOYIjIaqBAJIqIXjptyD5vThxGq52Xu/MaJzRkIk4Q==",
    "dependencies": {
      "side-channel": "^1.0.4"
    },
    "engines": {
      "node": ">=0.6"
    },
    "funding": {
      "url": "https://github.com/sponsors/ljharb"
    }
  },
  "node_modules/random-bytes": {
    "version": "1.0.0",
    "resolved": "https://registry.npmjs.org/random-bytes/-/random-bytes-1.0.0.tgz",
    "integrity": "sha512-iv7LhNVO047HzYR3InF6pUcUsPQiHTM1Qal51DcGSuZFBil1aBBWG5eHPNek7bvILMaYJ/8RU1e8w1AMdHmLQQ==",
    "engines": {
      "node": ">= 0.8"
    }
  },
  "node_modules/range-parser": {
    "version": "1.2.1",
    "resolved": "https://registry.npmjs.org/range-parser/-/range-parser-1.2.1.tgz",
    "integrity": "sha512-780bfUeTbC2u4W8xJl9WzSNwV3ERD7d4P3ZCu23vWVsqVt1y38ay6t72jR9o/EA0t7f7pG5mU9iSxG3q==",
    "engines": {
      "node": ">= 0.6"
    }
  }

```

```

},
"node_modules/raw-body": {
  "version": "2.5.2",
  "resolved": "https://registry.npmjs.org/raw-body/-/raw-body-2.5.2.tgz",
  "integrity": "sha512-8zGqypfENjCIqGhgXToC8aB2r7YrBX+AQAfIPs/Mlk+BtPTztOvTS01NRW/3Eh60J+a48lt8qsCzirQ6l
oCVfA==",
  "dependencies": {
    "bytes": "3.1.2",
    "http-errors": "2.0.0",
    "iconv-lite": "0.4.24",
    "unpipe": "1.0.0"
  },
  "engines": {
    "node": ">= 0.8"
  }
},
"node_modules/readdirp": {
  "version": "3.6.0",
  "resolved": "https://registry.npmjs.org/readirp/-/readirp-3.6.0.tgz",
  "integrity": "sha512-hOS089on8RduqdbhvQ5Z37A0ESjsqz6qnRcffsMU3495FuTdqSm+7bhJ29JvIOsBDEEan5DPu9t3To9
VRIMzA==",
  "dependencies": {
    "picomatch": "^2.2.1"
  },
  "engines": {
    "node": ">=8.10.0"
  }
},
"node_modules/safe-buffer": {
  "version": "5.2.1",

```

```

    "resolved": "https://registry.npmjs.org/safe-buffer/-/safe-buffer-5.2.1.tgz",
    "integrity": "sha512-
rp3So07KcdmmKbGvgaNxQSiJr7bGVSVk5S9Eq1F+ppbRo70+YeaDxkw5Dd8NPN+GD6bjnYm2VuPu
CXmpuYvmCXQ==",
    "funding": [
      {
        "type": "github",
        "url": "https://github.com/sponsors/feross"
      },
      {
        "type": "patreon",
        "url": "https://www.patreon.com/feross"
      },
      {
        "type": "consulting",
        "url": "https://feross.org/support"
      }
    ],
    "node_modules/safer-buffer": {
      "version": "2.1.2",
      "resolved": "https://registry.npmjs.org/safer-buffer/-/safer-buffer-2.1.2.tgz",
      "integrity": "sha512-
YZo3K82SD7Riyi0E1EQPojLz7kpepnSQI9IyPbHHg1XXXevb5dJI7tpyN2ADxGcQbHG7vcyRHk0cbw
qcQriUtg==",
    },
    "node_modules/semver": {
      "version": "7.5.4",
      "resolved": "https://registry.npmjs.org/semver/-/semver-7.5.4.tgz",
      "integrity": "sha512-
1bCSESV6Pv+i21Hvpxp3Dx+pSD8lIPt8uVjRrxAUt/nbswYc+tK6Y2btiULjd4+fnq15PX+nqQDC7Oft7
WkwA==",
      "dependencies": {

```

```
"lru-cache": "^6.0.0"
},
"bin": {
  "semver": "bin/semver.js"
},
"engines": {
  "node": ">=10"
}
},
"node_modules/send": {
  "version": "0.18.0",
  "resolved": "https://registry.npmjs.org/send/-/send-0.18.0.tgz",
  "integrity": "sha512-qQWzOjSFOuqPjFe4NOsMLafToQQwBSOEpS+FwEt3A2V3vKubTquT3vmLTQpFgMXp8AlFWFuP1qKaJZOtPpVXg==",
  "dependencies": {
    "debug": "2.6.9",
    "depd": "2.0.0",
    "destroy": "1.2.0",
    "encodeurl": "~1.0.2",
    "escape-html": "~1.0.3",
    "etag": "~1.8.1",
    "fresh": "0.5.2",
    "http-errors": "2.0.0",
    "mime": "1.6.0",
    "ms": "2.1.3",
    "on-finished": "2.4.1",
    "range-parser": "~1.2.1",
    "statuses": "2.0.1"
  },
  "engines": {
```

```

"node": ">= 0.8.0"
}
},
"node_modules/send/node_modules/ms": {
  "version": "2.1.3",
  "resolved": "https://registry.npmjs.org/ms/-/ms-2.1.3.tgz",
  "integrity": "sha512-6FlzubTLZG3J2a/NVCAleEhJzq5oxgHyaCU9yYXvcLsvoVaHJq/s5xXI6/XXP6tz7R9xAOtHnSO/tXtF3WRTIA=="
},
"node_modules/serve-static": {
  "version": "1.15.0",
  "resolved": "https://registry.npmjs.org/serve-static/-/serve-static-1.15.0.tgz",
  "integrity": "sha512-XGuRDNjXUijSUL0vl6nSD7cwURuzEgglbOaFuZM9g3kwDXOWVTck0jLzjPzGD+TazWbboZy52/9/XPdUgne9g==",
  "dependencies": {
    "encodeurl": "~1.0.2",
    "escape-html": "~1.0.3",
    "parseurl": "~1.3.3",
    "send": "0.18.0"
  },
  "engines": {
    "node": ">= 0.8.0"
  }
},
"node_modules/set-function-length": {
  "version": "1.1.1",
  "resolved": "https://registry.npmjs.org/set-function-length/-/set-function-length-1.1.1.tgz",
  "integrity": "sha512-KSXV2RQnNyo6rF4i01F581UjM1iWxj2lU4ZBH4NzDqZrVdaCZYy2ZJlQBTkLz79z7X70jZLHVYxQwjbYg==",
  "dependencies": {

```



```
"define-data-property": "^1.1.1",
"get-intrinsic": "^1.2.1",
"gopd": "^1.0.1",
"has-property-descriptors": "^1.0.0"
},
"engines": {
  "node": ">= 0.4"
}
},
"node_modules/setprototypeof": {
  "version": "1.2.0",
  "resolved": "https://registry.npmjs.org/setprototypeof/-/setprototypeof-1.2.0.tgz",
  "integrity": "sha512-E5LDX7Wrp85Kil5bhZv46j8jOeboKq5JMmYM3gVGdGH8xFpPWXUMsNrIODCrkoxMEeNi/XZIWuRvY4XNwYMJpw=="
},
"node_modules/side-channel": {
  "version": "1.0.4",
  "resolved": "https://registry.npmjs.org/side-channel/-/side-channel-1.0.4.tgz",
  "integrity": "sha512-q5XPytqFEIKHkGdiMIrY10mvLRvnQh42/+GoBlFW3b2LXLE2xxJpZFdm94we0BaoV3RwJyGqg5wS7epxTv0Zvw==",
  "dependencies": {
    "call-bind": "^1.0.0",
    "get-intrinsic": "^1.0.2",
    "object-inspect": "^1.9.0"
  },
  "funding": {
    "url": "https://github.com/sponsors/ljharb"
  }
},
"node_modules/sift": {
```

```
"version": "16.0.1",
"resolved": "https://registry.npmjs.org/sift/-/sift-16.0.1.tgz",
"integrity": "sha512-Wv6BjQ5zbhW7VFefWusVP33T/EM0vYikCaQ2qR8yULbsilAT8/wQaXvuQ3ptGLpoKx+lihJE3y2UTgKDyyNHZQ=="
},
"node_modules/simple-update-notifier": {
  "version": "2.0.0",
  "resolved": "https://registry.npmjs.org/simple-update-notifier/-/simple-update-notifier-2.0.0.tgz",
  "integrity": "sha512-a2B9Y0KlNXl9u/vsW6sTlu9vGEpfKu2wRV6l1H3XEas/0gUIzGzBoP/IouTcUQbm9JWZLH3COxyn03TYlFax6w==",
  "dependencies": {
    "semver": "^7.5.3"
  },
  "engines": {
    "node": ">=10"
  }
},
"node_modules/smart-buffer": {
  "version": "4.2.0",
  "resolved": "https://registry.npmjs.org/smart-buffer/-/smart-buffer-4.2.0.tgz",
  "integrity": "sha512-94hK0Hh8rPqQl2xXc3HsaBoOXKV20MT0PkcXvwbiSWLEs+64sBq5kFgn2kJDHb1Pry9yrP0dxrCI9RRCi7RXKg==",
  "engines": {
    "node": ">= 6.0.0",
    "npm": ">= 3.0.0"
  }
},
"node_modules/socks": {
  "version": "2.7.1",
  "resolved": "https://registry.npmjs.org/socks/-/socks-2.7.1.tgz,
```

```
"integrity": "sha512-7maUZy1N7uo6+WVEX6psASxtNlKaNVMIgQKkG/63nEDdLOWNbiUMoLK7X4uYoLhQstau72mLgfEWcXcwsaHbYQ==",
```

```
"dependencies": {  
  "ip": "^2.0.0",  
  "smart-buffer": "^4.2.0"
```

```
},
```

```
"engines": {  
  "node": ">= 10.13.0",  
  "npm": ">= 3.0.0"
```

```
}
```

```
},
```

```
"node_modules/sparse-bitfield": {
```

```
"version": "3.0.3",
```

```
"resolved": "https://registry.npmjs.org/sparse-bitfield/-/sparse-bitfield-3.0.3.tgz",
```

```
"integrity": "sha512-kvzhi7vqKTfkh0PZU+2D2Pllw2ymqJKujUcyPMd9Y75Nv4nPbGJZXNhxsGdQab2BmlDct1YnfQCguEvHr7VsQ==",
```

```
"optional": true,
```

```
"dependencies": {
```

```
"memory-pager": "^1.0.2"
```

```
}
```

```
},
```

```
"node_modules/statuses": {
```

```
"version": "2.0.1",
```

```
"resolved": "https://registry.npmjs.org/statuses/-/statuses-2.0.1.tgz",
```

```
"integrity": "sha512-RwNA9Z/7PrK06rYLIzFMlaF+l73iwpzsqRIFgbMLbTcLD6cOao82TaWefPXQvB2fOC4AjuYSEndS7N/mTCbkdQ==",
```

```
"engines": {
```

```
"node": ">= 0.8"
```

```
}
```

```
},
```

```
"node_modules/supports-color": {
  "version": "7.2.0",
  "resolved": "https://registry.npmjs.org/supports-color/-/supports-color-7.2.0.tgz",
  "integrity": "sha512-c486z0372yNn0DqThi3111N0D9evMjdxXUzFw8d3q67vShqYgHH8YDpqr3877X3p1shTj86W0v5p4w7XZQ==",
  "dependencies": {
    "has-flag": "^4.0.0"
  },
  "engines": {
    "node": ">=8"
  }
},
"node_modules/to-regex-range": {
  "version": "5.0.1",
  "resolved": "https://registry.npmjs.org/to-regex-range/-/to-regex-range-5.0.1.tgz",
  "integrity": "sha512-6UU/udhXUyJh5/ux0V9uVwQVza0BN1zIh+7Kwc9+2oYUkVt9u4oP7ZPC75N1hN8TioCvfH1IY48w0Yw8Ug==",
  "dependencies": {
    "is-number": "^7.0.0"
  },
  "engines": {
    "node": ">=8.0"
  }
},
"node_modules/toidentifier": {
  "version": "1.0.1",
  "resolved": "https://registry.npmjs.org/toidentifier/-/toidentifier-1.0.1.tgz",
  "integrity": "sha512-o5sSPKEkgDIQNmH43V0/uerLrpzVedkUh8tGNvaeXpfpuwjKenlSox/2O/BTlZUtEe+JG7s5YhEz608PlAHRA==",
  "engines": {
```

```
"node": ">=0.6"
}
},
"node_modules/touch": {
  "version": "3.1.0",
  "resolved": "https://registry.npmjs.org/touch/-/touch-3.1.0.tgz",
  "integrity": "sha512-WBx8Uy5TLtOSRtIq+M03/sKDrXCLHxwDcquSP2c43Le03/9serjQBIztjRz6FkJez9D/hleyAXTBGLw
wZUw9lA==",
  "dependencies": {
    "nopt": "~1.0.10"
  },
  "bin": {
    "nodetouch": "bin/nodetouch.js"
  }
},
"node_modules/tr46": {
  "version": "3.0.0",
  "resolved": "https://registry.npmjs.org/tr46/-/tr46-3.0.0.tgz",
  "integrity": "sha512-l7FvfAHlcmulps8kr+flpQQZmVwtu7nfRV7NZujtN0OqES8EL4O4e0qqzL0DC5gAvx/ZC/9lk6rhcUwYvk
BnBnYA==",
  "dependencies": {
    "punycode": "^2.1.1"
  },
  "engines": {
    "node": ">=12"
  }
},
"node_modules/type-is": {
  "version": "1.6.18",
  "resolved": "https://registry.npmjs.org/type-is/-/type-is-1.6.18.tgz,
```

```
"integrity": "sha512-
TkRKR9sUTxEH8MdfuCSP7VizJyzRNMjj2J2do2Jr3Kym598JVdEksuzPQCnlFPW4ky9Q+iA+ma9BG
m06XQBy8g==",
```

```
"dependencies": {
  "media-typer": "0.3.0",
  "mime-types": "~2.1.24"
},
```

```
"engines": {
  "node": ">= 0.6"
}
```

```
},
```

```
"node_modules/uid-safe": {
  "version": "2.1.5",
  "resolved": "https://registry.npmjs.org/uid-safe/-/uid-safe-2.1.5.tgz",
```

```
"integrity": "sha512-
KPHm4VL5dDXKz01UuEd88Df+KzynaohSL9fBh096KWaxSKZQDI2uBrVqtvRM4rwrIrRRKsdLNM
L/lnaaVSRioA==",
```

```
"dependencies": {
  "random-bytes": "~1.0.0"
},
```

```
"engines": {
  "node": ">= 0.8"
}
```

```
},
```

```
"node_modules/undefsafe": {
  "version": "2.0.5",
  "resolved": "https://registry.npmjs.org/undefsafe/-/undefsafe-2.0.5.tgz",
```

```
"integrity": "sha512-
WxONCrssBM8TSPRqN5EmsjVrsv4A8X12J4ArBiiayv3DyyG3ZlIg6yysuuSYdZsVz3TKcTg2fd//Ujd4
CHV1iA=="
```

```
},
```

```
"node_modules/undici-types": {
  "version": "5.26.5",
```

```

    "resolved": "https://registry.npmjs.org/undici-types/-/undici-types-5.26.5.tgz",
    "integrity": "sha512-JlCMO+ehdEIKqlFxx6IfVoAUvmgz7cU7zD/h9XZ0qzeosSHmUJVOzSQvvYSYWXkFXC+IfLKSIffhv0sVZup6pA==",
  },
  "node_modules/unpipe": {
    "version": "1.0.0",
    "resolved": "https://registry.npmjs.org/unpipe/-/unpipe-1.0.0.tgz",
    "integrity": "sha512-pjy2bYhSsufwWlKwPc+l3cN7+wuJlK6uz0YdJEOlQDbl6jo/YIPi4mb8agUkVC8BF7V8NuzeyPNqRksA3hztKQ==",
    "engines": {
      "node": ">= 0.8"
    }
  },
  "node_modules/utls-merge": {
    "version": "1.0.1",
    "resolved": "https://registry.npmjs.org/utls-merge/-/utls-merge-1.0.1.tgz",
    "integrity": "sha512-pMZTvIkT1d+TFGvDOqodOclx0QWkkgi6Tdoa8gC8ffGAAqz9pzPTZWAybbsHHoED/ztMtkv/VoYT YyShUn8lhA==",
    "engines": {
      "node": ">= 0.4.0"
    }
  },
  "node_modules/vary": {
    "version": "1.1.2",
    "resolved": "https://registry.npmjs.org/vary/-/vary-1.1.2.tgz",
    "integrity": "sha512-BNGbWLfd0eUPabkhXUVm0j8uuvREyTh5ovRa/dyow/BqAbZJyC+5fU+IzQOzmAKzYqYRAISoRhdQr3eIZ/PXqg==",
    "engines": {
      "node": ">= 0.8"
    }
  }
}

```

```
  },
  "node_modules/webidl-conversions": {
    "version": "7.0.0",
    "resolved": "https://registry.npmjs.org/webidl-conversions/-/webidl-conversions-7.0.0.tgz",
    "integrity": "sha512-VwddBukDzu71offAQR975unBIGqfKZpM+8ZX6ySk8nYhVoo5CYaZyzt3YBvYtRtO+aoGlqXPg/B87NGVZ/fu6g==",
    "engines": {
      "node": ">=12"
    }
  },
  "node_modules/whatwg-url": {
    "version": "11.0.0",
    "resolved": "https://registry.npmjs.org/whatwg-url/-/whatwg-url-11.0.0.tgz",
    "integrity": "sha512-RKT8HEXMpoYx4igMiVMY83lN6UeITKJIBQ+vR/8ZJ8OCdSiN3RwCq+9gH0+Xzj0+5IrM6i4j/6LuvzbZIQgEcQ==",
    "dependencies": {
      "tr46": "^3.0.0",
      "webidl-conversions": "^7.0.0"
    },
    "engines": {
      "node": ">=12"
    }
  },
  "node_modules/yallist": {
    "version": "4.0.0",
    "resolved": "https://registry.npmjs.org/yallist/-/yallist-4.0.0.tgz",
    "integrity": "sha512-3wdGidZyq5PB084XLES5TpOSRA3wjXAlIWMhum2kRcv/41Sn2emQ0dycQW4uZXLejwKvg6EsvbdlVL+FYEct7A=="
  }
}
```



```
}
```

Package.json:

```
{  
  "name": "e-com",  
  "version": "1.0.0",  
  "description": "",  
  "main": "index.html",  
  "scripts": {  
    "start": "nodemon app.js",  
    "test": "echo \\\"Error: no test specified\\\" && exit 1"  
  },  
  "keywords": [],  
  "author": "",  
  "license": "ISC",  
  "dependencies": {  
    "body-parser": "^1.20.2",  
    "ejs": "^3.1.9",  
    "express": "^4.18.2",  
    "express-session": "^1.17.3",  
    "mongoose": "^7.6.3",  
    "nodemon": "^3.0.1",  
    "passport": "^0.6.0",  
    "passport-local": "^1.0.0"  
  }  
}
```

App.js:

```
const express = require('express');  
const bodyParser = require('body-parser');  
const session = require('express-session');  
const passport = require('passport');  
const LocalStrategy = require('passport-local').Strategy;
```

```
const app = express();

const path = require('path');

// Configure Express middleware
app.use(bodyParser.urlencoded({ extended: false }));
app.use(session({ secret: 'secret', resave: false, saveUninitialized: false }));
app.use(passport.initialize());
app.use(passport.session());
app.use(express.static(path.join(__dirname, 'public')));

// Mock data (replace with database)
const products = [
  { id: 1, name: 'Leather Jacket', price: 199.99, description: 'A stylish leather jacket.' },
  { id: 2, name: 'Leather Bag', price: 149.99, description: 'A high-quality leather bag.' },
  // Add more products here
];

// Mock users (replace with user database)
const users = [
  { id: 1, username: 'user1', password: 'password1' },
  { id: 2, username: 'user2', password: 'password2' },
  // Add more users here
];

// Passport configuration
passport.use(new LocalStrategy((username, password, done) => {
  const user = users.find(u => u.username === username && u.password === password);
  if (user) {
```

```
    return done(null, user);
  } else {
    return done(null, false, { message: 'Incorrect username or password' });
  }
});
```

```
passport.serializeUser((user, done) => {
  done(null, user.id);
});
```

```
passport.deserializeUser((id, done) => {
  const user = users.find(u => u.id === id);
  done(null, user);
});
```

// Routes

```
app.get('/', (req, res) => {
  res.sendFile(__dirname + '/views/index.html');
});
```

```
app.get('/products', (req, res) => {
  res.json(products);
});
```

```
app.get('/products/:id', (req, res) => {
  const productId = parseInt(req.params.id);
  const product = products.find(p => p.id === productId);
  if (product) {
    res.sendFile(__dirname + '/views/product.html');
  } else {
    res.status(404).send('Product not found');
  }
});
```

```

    }
  });

// Add routes for cart, login, payment, and user profile
const ip = '172.16.82.198'
const port = 3000;
app.listen(port,ip,() => {
  console.log(`Server is running on port ${ip}:${port}`);
});

```

Script.js:

```

// public/script.js document.addEventListener('DOMContentLoaded', () => {
const productList = document.getElementById('product-list'); // Sample product data (you would fetch this from your server)
const products = [
  { id: 1, name: 'Leather Jackets', price: 199.99, description: 'A stylish leather jacket.' },
  { id: 2, name: 'Leather Bag', price: 149.99, description: 'A high-quality leather bag.' },
  // Add more products here
]; // Function to render the product list
function renderProductList() {
  productList.innerHTML = "";
  products.forEach(product => {
    const li = document.createElement('li');
    li.innerHTML = `<a href="/products/${product.id}">${product.name}</a>`;
    productList.appendChild(li);
  });
} // Initial rendering
renderProductList();
});

```

CONCLUSION:

In conclusion, the backend Node.js-driven e-commerce application presents a powerful and reliable solution for businesses aiming to establish an online presence. With its agile handling of user interactions and ability to handle high traffic loads, this platform sets the stage for a seamless shopping experience. By adopting Node.js, the application maximizes performance, enabling businesses to deliver an efficient and satisfying experience to their customers. This versatile framework provides a solid foundation for future expansion and innovation in the rapidly evolving e-commerce landscape.