

**Index.js:**

```
const express = require('express');
const app = express();
const PORT = 3000;

// pacMUST be before routes
app.use(express.json());

const studentRoutes = require('./routes/studentRoutes');
app.use('/students', studentRoutes);

app.listen(PORT, () => {
  console.log(`Server running on port ${PORT}`);
});
```

**studentRoutes.js**

```
const express = require('express');
const router = express.Router();

// In-memory student data
let students = [
  { id: 1, name: "Arun", dept: "CSE", age: 23 },
  { id: 2, name: "Bala", dept: "CSE", age: 23 }
];

// READ - Get all students
router.get('/', (req, res) => {
  res.json(students);
});
```

```
// CREATE - Add single student
router.post('/', (req, res) => {
  const { name, dept, age } = req.body;
  if (!name || !dept || !age) {
    return res.status(400).json({ message: "All fields are required" });
  }
  const id = students.length ? students[students.length - 1].id + 1 : 1;
  const newStudent = { id, name, dept, age };
  students.push(newStudent);
  res.status(201).json(newStudent);
});
```

```
// BULK ADD - Add multiple students
router.post('/bulk', (req, res) => {
  const newStudents = req.body; // expect an array of students
  if (!Array.isArray(newStudents)) {
    return res.status(400).json({ message: "Send an array of students" });
  }
  newStudents.forEach(student => {
    const id = students.length ? students[students.length - 1].id + 1 : 1;
    students.push({ id, ...student });
  });
  res.status(201).json(students);
});
```

```
// UPDATE student
```

```

router.put('/:id', (req, res) => {
  const id = parseInt(req.params.id);
  const student = students.find(s => s.id === id);
  if (!student) {
    return res.status(404).json({ message: "Student not found" });
  }

  const { name, dept, age } = req.body;
  if (name) student.name = name;
  if (dept) student.dept = dept;
  if (age) student.age = age;

  res.json(student);
});

// DELETE student
router.delete('/:id', (req, res) => {
  const id = parseInt(req.params.id);
  students = students.filter(s => s.id !== id);
  res.json({ message: "Student deleted" });
});

module.exports = router;

```

**package-lock.json:**

```
{
  "name": "student-managmentapp",
  "version": "1.0.0",
  "lockfileVersion": 3,
}
```

```
"requires": true,  
"packages": {  
  "": {  
    "name": "student-managmentapp",  
    "version": "1.0.0",  
    "license": "ISC",  
    "dependencies": {  
      "express": "^5.2.1"  
    }  
  },  
  "node_modules/accepts": {  
    "version": "2.0.0",  
    "resolved": "https://registry.npmjs.org/accepts/-/accepts-2.0.0.tgz",  
    "integrity": "sha512-  
5cvg6CtKwfgdmVqY1WliXKc3Q1bkRqGLi+2W/6ao+6Y7gu/RCwRuAhGEzh5B4Klsz  
SuTLgZYuqFqo5bImjNKng==",  
    "license": "MIT",  
    "dependencies": {  
      "mime-types": "^3.0.0",  
      "negotiator": "^1.0.0"  
    },  
    "engines": {  
      "node": ">= 0.6"  
    }  
  },  
  "node_modules/body-parser": {  
    "version": "2.2.1",  
    "resolved": "https://registry.npmjs.org/body-parser/-/body-parser-2.2.1.tgz",  
    "integrity": "sha512-  
5cvg6CtKwfgdmVqY1WliXKc3Q1bkRqGLi+2W/6ao+6Y7gu/RCwRuAhGEzh5B4Klsz  
SuTLgZYuqFqo5bImjNKng==",  
    "license": "MIT",  
    "dependencies": {  
      "bytes": "3.1.2",  
      "content-type": "1.2.4",  
      "depd": "1.1.2",  
      "http-errors": "1.6.2",  
      "iconv-lite": "0.4.24",  
      "qs": "6.5.1",  
      "raw-body": "2.3.0",  
      "type-is": "1.6.17",  
      "util-deprecate": "1.0.2"  
    },  
    "engines": {  
      "node": ">= 0.6"  
    }  
  }  
}
```

```
  "integrity": "sha512-
nfDwkulwiZYQIGwdx0RUmowMhKcFVcYXUU7m4QlKYim1rUtg83xm2yjZ40QjDuc
291AJjeSc9b++AWHSgSHw==",
  "license": "MIT",
  "dependencies": {
    "bytes": "^3.1.2",
    "content-type": "^1.0.5",
    "debug": "^4.4.3",
    "http-errors": "^2.0.0",
    "iconv-lite": "^0.7.0",
    "on-finished": "^2.4.1",
    "qs": "^6.14.0",
    "raw-body": "^3.0.1",
    "type-is": "^2.0.1"
  },
  "engines": {
    "node": ">=18"
  },
  "funding": {
    "type": "opencollective",
    "url": "https://opencollective.com/express"
  }
},
"node_modules/bytes": {
  "version": "3.1.2",
  "resolved": "https://registry.npmjs.org/bytes/-/bytes-3.1.2.tgz",
  "integrity": "sha512-
/Nf7TyzTx6S3yRJObOAV7956r8cr2+Oj8AC5dt8wSP3BQAoeX58NoHyCU8P8zGkN
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  "license": "MIT",
```

```
"engines": {  
    "node": ">= 0.8"  
}  
,  
"node_modules/call-bind-apply Helpers": {  
    "version": "1.0.2",  
    "resolved": "https://registry.npmjs.org/call-bind-apply Helpers/-/call-bind-apply  
Helpers-1.0.2.tgz",  
    "integrity": "sha512-  
Sp1ablJ0ivDkSzjcaJdxEunN5/XvksFJ2sMBFfq6x0ryhQV/2b/KwFe21cMpmHtPOSij8  
K99/wSfoEuTObmuMQ==",  
    "license": "MIT",  
    "dependencies": {  
        "es-errors": "^1.3.0",  
        "function-bind": "^1.1.2"  
    },  
    "engines": {  
        "node": ">= 0.4"  
    }  
,  
    "node_modules/call-bound": {  
        "version": "1.0.4",  
        "resolved": "https://registry.npmjs.org/call-bound/-/call-bound-1.0.4.tgz",  
        "integrity": "sha512-  
+ys997U96po4Kx/ABpBCqhA9EuxJaQWDQg7295H4hBphv3IZg0boBKuwYpt4YXp6  
MZ5AmZQnU/tyMTIRpaSejg==",  
        "license": "MIT",  
        "dependencies": {  
            "call-bind-apply Helpers": "^1.0.2",  
            "get-intrinsic": "^1.3.0"  
        },  
    }
```

```
"engines": {  
    "node": ">= 0.4"  
},  
"funding": {  
    "url": "https://github.com/sponsors/ljharb"  
}  
,  
"node_modules/content-disposition": {  
    "version": "1.0.1",  
    "resolved": "https://registry.npmjs.org/content-disposition/-/content-disposition-1.0.1.tgz",  
    "integrity": "sha512-oIXISMynqSqm241k6kcQ5UwttDILMK4BiurCfGEREw6+X9jkkpEe5T9FZaApyLGGO nFuyMWZpdolTXMtV Ej08Q==",  
    "license": "MIT",  
    "engines": {  
        "node": ">=18"  
    },  
    "funding": {  
        "type": "opencollective",  
        "url": "https://opencollective.com/express"  
    }  
,  
    "node_modules/content-type": {  
        "version": "1.0.5",  
        "resolved": "https://registry.npmjs.org/content-type/-/content-type-1.0.5.tgz",  
        "integrity": "sha512-nTjqfcBFEipKdXCv4YDQWCfmclZKm81IdF0pAopTvyrFGVbcR6P/VAAAd5G7N+0tTr 8QqiU0tFadD6FK4NtJwOA==",  
        "license": "MIT",  
        "engines": {
```



```
  "integrity": "sha512-
RGwwWnwQvkVfavKVt22FGLw+xYSdzARwm0ru6DhTVA3umU5hZc28V3kO4stgYr
yrTILpuvgl9GijjlAjNbcqA==",
  "license": "MIT",
  "dependencies": {
    "ms": "^2.1.3"
  },
  "engines": {
    "node": ">=6.0"
  },
  "peerDependenciesMeta": {
    "supports-color": {
      "optional": true
    }
  },
  "node_modules/depd": {
    "version": "2.0.0",
    "resolved": "https://registry.npmjs.org/depd/-/depd-2.0.0.tgz",
    "integrity": "sha512-
g7nH6P6dy DioJogAAGprGpCtVlmJhpPk/roCzdb3flh61/s/nPsfR6onyMwkCAR/OIC3
yBC0lESvUoQEAsslw==",
    "license": "MIT",
    "engines": {
      "node": ">= 0.8"
    }
  },
  "node_modules/dunder-proto": {
    "version": "1.0.1",
    "resolved": "https://registry.npmjs.org/dunder-proto/-/dunder-proto-1.0.1.tgz",
    "integrity": "sha512-

```

```
    "integrity": "sha512-
KIN/nDJBQRcXw0MLVhZE9iQHmG68qAVIBg9CqmUYjmQlhgij9U5MFvrqkUL5Fbty
yzZuOeOt0zdeRe4UY7ct+A==",
  "license": "MIT",
  "dependencies": {
    "call-bind-apply Helpers": "^1.0.1",
    "es-errors": "^1.3.0",
    "gopd": "^1.2.0"
  },
  "engines": {
    "node": ">= 0.4"
  }
},
"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+vRuETqG89lgZphVSNkdFgeb6sS/E4OrDIN7t48CAewSH
Xc6C8lefD8KKfr5vY61brQlow==",
  "license": "MIT"
},
"node_modules/encodeurl": {
  "version": "2.0.0",
  "resolved": "https://registry.npmjs.org/encodeurl/-/encodeurl-2.0.0.tgz",
  "integrity": "sha512-
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  "license": "MIT",
  "engines": {
    "node": ">= 0.8"
  }
}
```

```
},  
  "node_modules/es-define-property": {  
    "version": "1.0.1",  
    "resolved": "https://registry.npmjs.org/es-define-property/-/es-define-property-1.0.1.tgz",  
    "integrity": "sha512-e3nRfgfUZ4rNGL232gUgX06QNyyez04KdjFrF+LTrOxmrgFKDg4BCdsjW8EnT69eqdYGmRpJwiPVYNrCaW3g==",  
    "license": "MIT",  
    "engines": {  
      "node": ">= 0.4"  
    },  
    "node_modules/es-errors": {  
      "version": "1.3.0",  
      "resolved": "https://registry.npmjs.org/es-errors/-/es-errors-1.3.0.tgz",  
      "integrity": "sha512-Zf5H2Kxt2xjTvbJvP2ZWLElCxA6j+hAmMzllypy4xcBg1vKVnx89Wy0GbS+kf5cwCVFFzdCFh2XSCFNULS6csw==",  
      "license": "MIT",  
      "engines": {  
        "node": ">= 0.4"  
      },  
      "node_modules/es-object-atoms": {  
        "version": "1.1.1",  
        "resolved": "https://registry.npmjs.org/es-object-atoms/-/es-object-atoms-1.1.1.tgz",  
        "integrity": "sha512-FGgH2h8zKNim9lj7dankFPclCIK9Cp5bm+c2gQSYePhpaG5+esrLODihIorn+Pe6FGJzWhXQotPv73jTaldXA==",  
        "license": "MIT",  
      }  
    }  
  }  
}
```



"integrity": "sha512-hIS4idWWai69NezIdRt2xFVofaF4j+6lNOpJIVOLDO8zXGpUVEVzIYk12UUi2JzjEzWL3IOAxcTubgz9Po0yXw==",  
"license": "MIT",  
"dependencies": {  
 "accepts": "^2.0.0",  
 "body-parser": "^2.2.1",  
 "content-disposition": "^1.0.0",  
 "content-type": "^1.0.5",  
 "cookie": "^0.7.1",  
 "cookie-signature": "^1.2.1",  
 "debug": "^4.4.0",  
 "depd": "^2.0.0",  
 "encodeurl": "^2.0.0",  
 "escape-html": "^1.0.3",  
 "etag": "^1.8.1",  
 "finalhandler": "^2.1.0",  
 "fresh": "^2.0.0",  
 "http-errors": "^2.0.0",  
 "merge-descriptors": "^2.0.0",  
 "mime-types": "^3.0.0",  
 "on-finished": "^2.4.1",  
 "once": "^1.4.0",  
 "parseurl": "^1.3.3",  
 "proxy-addr": "^2.0.7",  
 "qs": "^6.14.0",  
 "range-parser": "^1.2.1",  
 "router": "^2.2.0",  
 "send": "^1.1.0",  
 "serve-static": "^2.2.0",

```
    "statuses": "^2.0.1",
    "type-is": "^2.0.1",
    "vary": "^1.1.2"
  },
  "engines": {
    "node": ">= 18"
  },
  "funding": {
    "type": "opencollective",
    "url": "https://opencollective.com/express"
  }
},
"node_modules/finalhandler": {
  "version": "2.1.1",
  "resolved": "https://registry.npmjs.org/finalhandler/-/finalhandler-2.1.1.tgz",
  "integrity": "sha512-S8KoZgRZN+a5rNwqTxIZZePjT/4cnm0ROV70LedRHZ0p8u9fRID0hJUZQpkKLzro8LfmC8sx23bY6tVNxv8pQA==",
  "license": "MIT",
  "dependencies": {
    "debug": "^4.4.0",
    "encodeurl": "^2.0.0",
    "escape-html": "^1.0.3",
    "on-finished": "^2.4.1",
    "parseurl": "^1.3.3",
    "statuses": "^2.0.1"
  },
  "engines": {
    "node": ">= 18.0.0"
  }
}
```

```
  "funding": {
    "type": "opencollective",
    "url": "https://opencollective.com/express"
  },
  "node_modules/forwarded": {
    "version": "0.2.0",
    "resolved": "https://registry.npmjs.org/forwarded/-/forwarded-0.2.0.tgz",
    "integrity": "sha512-buRG0fpBtRHSTCOASe6hD258tEubFoRLb4ZNA6NxMVHNw2gOcwHo9wyablzMzOA5z9xA9L1KNjk/Nt6MT9aYow==",
    "license": "MIT",
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      "node": ">= 0.6"
    }
  },
  "node_modules/fresh": {
    "version": "2.0.0",
    "resolved": "https://registry.npmjs.org/fresh/-/fresh-2.0.0.tgz",
    "integrity": "sha512-Rx/WycZ60HOaqlKAI6cHRKKI7zxWbJ31MhntmtwMoaTeF7XFH9hhBp8vITaMidfljRQ6eYWCKkaTK+ykVJHP2A==",
    "license": "MIT",
    "engines": {
      "node": ">= 0.8"
    }
  },
  "node_modules/function-bind": {
    "version": "1.1.2",
    "resolved": "https://registry.npmjs.org/function-bind/-/function-bind-1.1.2.tgz",
  }
}
```

```
    "integrity": "sha512-
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+oVO0F744iUgR82nJMfG2SA==",
  "license": "MIT",
  "funding": {
    "url": "https://github.com/sponsors/ljharb"
  },
},
"node_modules/get-intrinsic": {
  "version": "1.3.0",
  "resolved": "https://registry.npmjs.org/get-intrinsic/-/get-intrinsic-1.3.0.tgz",
  "integrity": "sha512-
9fSjSaos/fRIVIp+xSJIE6lfwhES7LNtKaCBlamHsjr2na1BiABJPo0mOjjz8GJDURarm
CPGqaiVg5mfjb98CQ==",
  "license": "MIT",
  "dependencies": {
    "call-bind-apply Helpers": "^1.0.2",
    "es-define-property": "^1.0.1",
    "es-errors": "^1.3.0",
    "es-object-atoms": "^1.1.1",
    "function-bind": "^1.1.2",
    "get-proto": "^1.0.1",
    "gopd": "^1.2.0",
    "has-symbols": "^1.1.0",
    "hasown": "^2.0.2",
    "math-intrinsics": "^1.1.0"
  },
  "engines": {
    "node": ">= 0.4"
  }
}
```

```
    "funding": {
      "url": "https://github.com/sponsors/ljharb"
    },
    "node_modules/get-proto": {
      "version": "1.0.1",
      "resolved": "https://registry.npmjs.org/get-proto/-/get-proto-1.0.1.tgz",
      "integrity": "sha512-sTSfBjoXBp89JvIKlefqw7U2CCebsc74kiY6awiGogKtoSGbjYE/G/+I9sF3MWFPNc9IcoOC4ODfKHfxFmp0g==",
      "license": "MIT",
      "dependencies": {
        "dunder-proto": "^1.0.1",
        "es-object-atoms": "^1.0.0"
      },
      "engines": {
        "node": ">= 0.4"
      }
    },
    "node_modules/gopd": {
      "version": "1.2.0",
      "resolved": "https://registry.npmjs.org/gopd/-/gopd-1.2.0.tgz",
      "integrity": "sha512-ZUKRh6/kUFoAiTAtTYPZJ3hw9wNxx+BIBOijnIG9PnrJsCcSjs1wyD6vJpaYtgnzDrKYRSqf3OO6Rfa93xsRg==",
      "license": "MIT",
      "engines": {
        "node": ">= 0.4"
      },
      "funding": {

```

```
        "url": "https://github.com/sponsors/ljharb"
    }
},
"node_modules/has-symbols": {
    "version": "1.1.0",
    "resolved": "https://registry.npmjs.org/has-symbols/-/has-symbols-1.1.0.tgz",
    "integrity": "sha512-1cDNdwJ2Jaohmb3sg4OmKaMBwuC48sYni5HUw2DvsC8LjGTLK9h+eb1X6RyuOH e4hT0ULCW68iomhjUoKUqlPQ==",
    "license": "MIT",
    "engines": {
        "node": ">= 0.4"
    },
    "funding": {
        "url": "https://github.com/sponsors/ljharb"
    }
},
"node_modules/hasown": {
    "version": "2.0.2",
    "resolved": "https://registry.npmjs.org/hasown/-/hasown-2.0.2.tgz",
    "integrity": "sha512-0hJU9SCPvmMzIBdZFqNPXWa6dqh7WdH0clI9y+CyS8rG3nL48Bclra9HmKhVVUH yPWNH5Y7xDwAB7bfgSjkUMQ==",
    "license": "MIT",
    "dependencies": {
        "function-bind": "^1.1.2"
    },
    "engines": {
        "node": ">= 0.4"
    }
}
```

```
},  
  "node_modules/http-errors": {  
    "version": "2.0.1",  
    "resolved": "https://registry.npmjs.org/http-errors/-/http-errors-2.0.1.tgz",  
    "integrity": "sha512-  
4FbRdAX+bSdmo4AUfU$0WNiPz8NgFt+r8ThgNWmlrjQjt1Q7ZR9+zTlce2859x4KS  
XrwlsaeTqDoKQmtP8pLmQ==",  
    "license": "MIT",  
    "dependencies": {  
      "depd": "~2.0.0",  
      "inherits": "~2.0.4",  
      "setprototypeof": "~1.2.0",  
      "statuses": "~2.0.2",  
      "toidentifier": "~1.0.1"  
    },  
    "engines": {  
      "node": ">= 0.8"  
    },  
    "funding": {  
      "type": "opencollective",  
      "url": "https://opencollective.com/express"  
    }  
  },  
  "node_modules/iconv-lite": {  
    "version": "0.7.1",  
    "resolved": "https://registry.npmjs.org/iconv-lite/-/iconv-lite-0.7.1.tgz",  
    "integrity": "sha512-  
2Tth85cXwGFHfvRgZWszZSzdo+0Xsqmw8k8ZwxScfcBneNUraK+dxRxRm24nszx8  
0Y0TVio8kKLt5sLE7ZCLlw==",  
    "license": "MIT",
```

```
"dependencies": {  
    "safer-buffer": ">= 2.1.2 < 3.0.0"  
},  
"engines": {  
    "node": ">=0.10.0"  
},  
"funding": {  
    "type": "opencollective",  
    "url": "https://opencollective.com/express"  
}  
},  
"node_modules/inherits": {  
    "version": "2.0.4",  
    "resolved": "https://registry.npmjs.org/inherits/-/inherits-2.0.4.tgz",  
    "integrity": "sha512-k/vGaX4/YIa3WzyMCvTQOXYeIHvqOKtnqBduzTHpzpQZzAskKMhZ2K+EnBiSM9zGSolFeMpXKxa4dYeZIQqewQ==",  
    "license": "ISC"  
},  
"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/w18ZIXSHBYXiYUPO3g==",  
    "license": "MIT",  
    "engines": {  
        "node": ">= 0.10"  
    }  
},
```

```
"node_modules/is-promise": {
  "version": "4.0.0",
  "resolved": "https://registry.npmjs.org/is-promise/-/is-promise-4.0.0.tgz",
  "integrity": "sha512-hvpol6korhJMnej285dSg6nu1+e6uxs7zG3BYAm5byqDsgJNWwxzM6z6iZiAgQR4TJ30JmBTOWqZUw3WlyH3AQ==",
  "license": "MIT"
},
"node_modules/math-intrinsics": {
  "version": "1.1.0",
  "resolved": "https://registry.npmjs.org/math-intrinsics/-/math-intrinsics-1.1.0.tgz",
  "integrity": "sha512-/IXtbwEk5HTPyEwyKX6hGkYXxM9nbj64B+iVJnC/R6B0pH5G4V3b0pVbL7DBj4tkhBAppbQUlf6F6XI9LHu1g==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.4"
  }
},
"node_modules/media-typer": {
  "version": "1.1.0",
  "resolved": "https://registry.npmjs.org/media-typer/-/media-typer-1.1.0.tgz",
  "integrity": "sha512-aisnrDP4GNe06UcKFnV5bfMNPBUw4jsLGaWwWfnH3v02GnBuXX2MCVn5RbrWo0j3pczUiYblq7fQ7Nw2t5XKw==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.8"
  }
},
"node_modules/merge-descriptors": {
```

```
  "version": "2.0.0",
  "resolved": "https://registry.npmjs.org/merge-descriptors/-/merge-descriptors-2.0.0.tgz",
  "integrity": "sha512-Snk314V5ayFLhp3fkUREub6WtjBfPdCPY1Ln8/8munuLuiYhsABgBVWsozAG+MWMbVEvcdcpbi9R7ww22l9Q3g==",
  "license": "MIT",
  "engines": {
    "node": ">=18"
  },
  "funding": {
    "url": "https://github.com/sponsors/sindresorhus"
  },
  "node_modules/mime-db": {
    "version": "1.54.0",
    "resolved": "https://registry.npmjs.org/mime-db/-/mime-db-1.54.0.tgz",
    "integrity": "sha512-aU5EJuIN2WDemCcAp2vFBfp/m4EAhWJnUNSSw0ixs7/kXbd6Pg64EmwJkNdFhB8aWt1sH2CTXrLxo/iAGV3oPQ==",
    "license": "MIT",
    "engines": {
      "node": ">= 0.6"
    }
  },
  "node_modules/mime-types": {
    "version": "3.0.2",
    "resolved": "https://registry.npmjs.org/mime-types/-/mime-types-3.0.2.tgz",
    "integrity": "sha512-Lbgzdk0h4juoQ9fCKXW4by0UJqj+nOOrI9MJ1sSj4nl8al2eo1qmvQEie4VD1glS250n15LsWsYtCugiStS5A==",
```

```
"license": "MIT",
"dependencies": {
  "mime-db": "^1.54.0"
},
"engines": {
  "node": ">=18"
},
"funding": {
  "type": "opencollective",
  "url": "https://opencollective.com/express"
}
},
"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==",
  "license": "MIT"
},
"node_modules/negotiator": {
  "version": "1.0.0",
  "resolved": "https://registry.npmjs.org/negotiator/-/negotiator-1.0.0.tgz",
  "integrity": "sha512-8Ofs/AUQh8MaEcrlq5xOX0CQ9ypTF5dl78mjIMNfOK08fzpgTHQRQPBxcPIEtIw0yRpws+Zo/3r+5WRby7u3Gg==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.6"
  }
}
```

```
},  
  "node_modules/object-inspect": {  
    "version": "1.13.4",  
    "resolved": "https://registry.npmjs.org/object-inspect/-/object-inspect-1.13.4.tgz",  
    "integrity": "sha512-W67iLI4J2EXEGTbfeHCffrjDfitvLANG0UIX3wFUUSTx92KXRFeGMHUVgSqE+wvhAWi4WqjGg9czysTV2Epbew==",  
    "license": "MIT",  
    "engines": {  
      "node": ">= 0.4"  
    },  
    "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-oVlzk3ENAhCk2zdv7IJwd/QUD4z2RxRwpkcGY8psCVcCYZNq4wYnVVALHM+brtuJjePWiYF/CImuDr8Ch5+kg==",  
    "license": "MIT",  
    "dependencies": {  
      "ee-first": "1.1.1"  
    },  
    "engines": {  
      "node": ">= 0.8"  
    },  
  },  
  "node_modules/once": {
```

```
"version": "1.4.0",
"resolved": "https://registry.npmjs.org/once/-/once-1.4.0.tgz",
"integrity": "sha512-INAJgl+2Q5URQBkccEKHTQOPaXdUxnZZEIQTZY0MFUAuaEqe1E+Nyvgdz/alyNi6Z9MzO5dv1H8n58/GELp3+w==",
"license": "ISC",
"dependencies": {
  "wrappy": "1"
},
"node_modules/parseurl": {
  "version": "1.3.3",
  "resolved": "https://registry.npmjs.org/parseurl/-/parseurl-1.3.3.tgz",
  "integrity": "sha512-CiyeOxFT/JZyN5m0z9PfXw4SCBJ6Sygz1Dpl0wqjlhDEGGBP1GnsUVEL0p63hoG1fcj3fHynXi9NYO4nWOL+qQ==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.8"
  }
},
"node_modules/path-to-regexp": {
  "version": "8.3.0",
  "resolved": "https://registry.npmjs.org/path-to-regexp/-/path-to-regexp-8.3.0.tgz",
  "integrity": "sha512-7jdWVIRtsP8MYpdXSvOS0YdD0Du+qOoF/AEPIt88PcCFrZCzx41oxku1jD88hZBwbNUIEfpqvuhjFaMAqMTWnA==",
  "license": "MIT",
  "funding": {
    "type": "opencollective",
    "url": "https://opencollective.com/express"
  }
}
```

```
    },
  },
  "node_modules/proxy-addr": {
    "version": "2.0.7",
    "resolved": "https://registry.npmjs.org/proxy-addr/-/proxy-addr-2.0.7.tgz",
    "integrity": "sha512-  
IIQsMLSUDUPT44jdrU/O37qInifitDP+ZwrmmZcoSKyLKvtZxpyV0n2/bD/N4tBAAZ/gJ  
EdZU7KMraoK1+XYAg==",
    "license": "MIT",
    "dependencies": {
      "forwarded": "0.2.0",
      "ipaddr.js": "1.9.1"
    },
    "engines": {
      "node": ">= 0.10"
    }
  },
  "node_modules/qs": {
    "version": "6.14.1",
    "resolved": "https://registry.npmjs.org/qs/-/qs-6.14.1.tgz",
    "integrity": "sha512-  
4EK3+xJI8Ts67nLYNwqw/dsFVnCf+qR7RgXSK9jEEm9unao3njwMDdmsdvoKBKHz  
xd7tCYz5e5M+SnMjdtXGQQ==",
    "license": "BSD-3-Clause",
    "dependencies": {
      "side-channel": "^1.1.0"
    },
    "engines": {
      "node": ">=0.6"
    }
  }
}
```

```
  "funding": {
    "url": "https://github.com/sponsors/ljharb"
  },
  "node_modules/range-parser": {
    "version": "1.2.1",
    "resolved": "https://registry.npmjs.org/range-parser/-/range-parser-1.2.1.tgz",
    "integrity": "sha512-Hrgsx+orqoygnmhFbKaHE6c296J+HTAQXoxEF6gNupROmmGJRozfG3ccAveqCB  
rwr/2yxQ5BVd/GTl5agOwSg==",
    "license": "MIT",
    "engines": {
      "node": ">= 0.6"
    }
  },
  "node_modules/raw-body": {
    "version": "3.0.2",
    "resolved": "https://registry.npmjs.org/raw-body/-/raw-body-3.0.2.tgz",
    "integrity": "sha512-K5zQjDIIxWkf7Z5xJdV0/B0WTNx6vxG70zJE4N0kBs4LovmEYWJzQGxC9bS9RAK  
u3bgM40Ird5zoLJ12MQ5BA==",
    "license": "MIT",
    "dependencies": {
      "bytes": "~3.1.2",
      "http-errors": "~2.0.1",
      "iconv-lite": "~0.7.0",
      "unpipe": "~1.0.0"
    },
    "engines": {
      "node": ">= 0.10"
    }
  }
}
```

```
    },
  },
  "node_modules/router": {
    "version": "2.2.0",
    "resolved": "https://registry.npmjs.org/router/-/router-2.2.0.tgz",
    "integrity": "sha512-nLTrUKm2UyiL7rlhapu/ZI45FwNgkZGaCpZbIHajDYgwIJCOzLSk+cIPAnsEqV955GjlLJnKbdQC1nVPz+gAYQ==",
    "license": "MIT",
    "dependencies": {
      "debug": "^4.4.0",
      "depd": "^2.0.0",
      "is-promise": "^4.0.0",
      "parseurl": "^1.3.3",
      "path-to-regexp": "^8.0.0"
    },
    "engines": {
      "node": ">= 18"
    }
  },
  "node_modules/safer-buffer": {
    "version": "2.1.2",
    "resolved": "https://registry.npmjs.org/safer-buffer/-/safer-buffer-2.1.2.tgz",
    "integrity": "sha512-YZo3K82SD7Riyi0E1EQPojLz7kpepnSQI9lyPbHHg1XXXevb5dJI7tpyN2ADxGcQbH G7vcyRHk0cbwqcQriUtg==",
    "license": "MIT"
  },
  "node_modules/send": {
    "version": "1.2.1",
  }
}
```

```
"resolved": "https://registry.npmjs.org/send/-/send-1.2.1.tgz",
  "integrity": "sha512-1gnZf7DFcolcajTjTwjwuDjzuz4PPcY2StKPIsGAQ1+YH20IRVrBaXSWmdjowTJ6u8Rc01PoYOGHXfP1mYcZNQ==",
  "license": "MIT",
  "dependencies": {
    "debug": "^4.4.3",
    "encodeurl": "^2.0.0",
    "escape-html": "^1.0.3",
    "etag": "^1.8.1",
    "fresh": "^2.0.0",
    "http-errors": "^2.0.1",
    "mime-types": "^3.0.2",
    "ms": "^2.1.3",
    "on-finished": "^2.4.1",
    "range-parser": "^1.2.1",
    "statuses": "^2.0.2"
  },
  "engines": {
    "node": ">= 18"
  },
  "funding": {
    "type": "opencollective",
    "url": "https://opencollective.com/express"
  }
},
"node_modules/serve-static": {
  "version": "2.2.1",
  "resolved": "https://registry.npmjs.org/serve-static/-/serve-static-2.2.1.tgz",
  "integrity": "sha512-1gnZf7DFcolcajTjTwjwuDjzuz4PPcY2StKPIsGAQ1+YH20IRVrBaXSWmdjowTJ6u8Rc01PoYOGHXfP1mYcZNQ=="
}
```

```
    "integrity": "sha512-
xRXBn0pPqQTVQiC8wyQrKs2MOIX24zQ0POGaj0kultvoOCstBQM5yvOhAVSUwO
MjQtTvsPWoNCHfPGwaaQJhTw==",
    "license": "MIT",
    "dependencies": {
        "encodeurl": "^2.0.0",
        "escape-html": "^1.0.3",
        "parseurl": "^1.3.3",
        "send": "^1.2.0"
    },
    "engines": {
        "node": ">= 18"
    },
    "funding": {
        "type": "opencollective",
        "url": "https://opencollective.com/express"
    }
},
"node_modules/setprototypeof": {
    "version": "1.2.0",
    "resolved": "https://registry.npmjs.org/setprototypeof/-/setprototypeof-1.2.0.tgz",
    "integrity": "sha512-
E5LDX7Wrp85Kil5bhZv46j8jOeboKq5JMmYM3gVGdGH8xFpPWXUMsNrIODCrkox
MEeNi/XZlwuRvY4XNwYMJpw==",
    "license": "ISC"
},
"node_modules/side-channel": {
    "version": "1.1.0",
    "resolved": "https://registry.npmjs.org/side-channel/-/side-channel-1.1.0.tgz",
    "integrity": "sha512-

```

```
    "integrity": "sha512-
ZX99e6tRweoUXqR+VBrsIhda51Nh5MTQwou5tnUDgbtyM0dBgmhEDtWGP/xbKn6
hqfPRHujUNwz5fy/wbbhnpw==",
    "license": "MIT",
    "dependencies": {
        "es-errors": "^1.3.0",
        "object-inspect": "^1.13.3",
        "side-channel-list": "^1.0.0",
        "side-channel-map": "^1.0.1",
        "side-channel-weakmap": "^1.0.2"
    },
    "engines": {
        "node": ">= 0.4"
    },
    "funding": {
        "url": "https://github.com/sponsors/ljharb"
    }
},
"node_modules/side-channel-list": {
    "version": "1.0.0",
    "resolved": "https://registry.npmjs.org/side-channel-list/-/side-channel-list-1.0.0.tgz",
    "integrity": "sha512-
FCLHtRD/gnpCiCHEiJLOwdmFP+wzCmDEkc9y7NsYxeF4u7Btsn1ZuwgwJGxImIm
HicJArLP4R0yX4c2KCrMrTA==",
    "license": "MIT",
    "dependencies": {
        "es-errors": "^1.3.0",
        "object-inspect": "^1.13.3"
    },
    "engines": {
```

```
  "node": ">= 0.4"
},
  "funding": {
    "url": "https://github.com/sponsors/ljharb"
  }
},
  "node_modules/side-channel-map": {
    "version": "1.0.1",
    "resolved": "https://registry.npmjs.org/side-channel-map/-/side-channel-map-1.0.1.tgz",
    "integrity": "sha512-VCjCNfgMsby3tTdo02nbtM/ewra6jPHmpThenkTYh8pG9ucZ/1P8So4u4FGBek/BjpOVsDCMoLA/iuBKIFXRA==",
    "license": "MIT",
    "dependencies": {
      "call-bound": "^1.0.2",
      "es-errors": "^1.3.0",
      "get-intrinsic": "^1.2.5",
      "object-inspect": "^1.13.3"
    },
    "engines": {
      "node": ">= 0.4"
    },
    "funding": {
      "url": "https://github.com/sponsors/ljharb"
    }
},
  "node_modules/side-channel-weakmap": {
    "version": "1.0.2",

```

```
  "resolved": "https://registry.npmjs.org/side-channel-weakmap/-/side-channel-weakmap-1.0.2.tgz",
    "integrity": "sha512-WPS/HvHQTYnHisLo9McqBHOJk2FkHO/tlpvldyrnem4aeQp4hai3gythswg6p01oSoTl58rcpiFAjF2br2Ak2A==",
  "license": "MIT",
  "dependencies": {
    "call-bound": "^1.0.2",
    "es-errors": "^1.3.0",
    "get-intrinsic": "^1.2.5",
    "object-inspect": "^1.13.3",
    "side-channel-map": "^1.0.1"
  },
  "engines": {
    "node": ">= 0.4"
  },
  "funding": {
    "url": "https://github.com/sponsors/ljharb"
  },
  "node_modules/statuses": {
    "version": "2.0.2",
    "resolved": "https://registry.npmjs.org/statuses/-/statuses-2.0.2.tgz",
    "integrity": "sha512-DvEy55V3DB7uKnRo+4iOGT5fP1sIR8wQohVdknigZPMpMstaKJQWhwiYBACJE3UI2pTnATihhBYnRhZQHGBiRw==",
    "license": "MIT",
    "engines": {
      "node": ">= 0.8"
    }
  },
}
```



```
    "integrity": "sha512-
pjy2bYhSsufwWIKwPc+I3cN7+wuJIK6uz0YdJE0IQDbI6jo/YIPi4mb8agUkVC8BF7V8
NuzeYPNqRksA3hztKQ==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.8"
  },
  "node_modules/vary": {
    "version": "1.1.2",
    "resolved": "https://registry.npmjs.org/vary/-/vary-1.1.2.tgz",
    "integrity": "sha512-
BNGbWLfd0eUPabhkXUVm0j8uvREyTh5ovRa/dyow/BqAbZJyC+5fU+lzQOzmAKz
YqYRAISoRhdQr3elZ/PXqg==",
    "license": "MIT",
    "engines": {
      "node": ">= 0.8"
    },
    "node_modules/wrappy": {
      "version": "1.0.2",
      "resolved": "https://registry.npmjs.org/wrappy/-/wrappy-1.0.2.tgz",
      "integrity": "sha512-
l4Sp/DRseor9wL6EvV2+TuQn63dMkPjZ/sp9XkghTEbV9KIPS1xUsZ3u7/IQO4wxtcF
B4bgpQPRcR3QCvezPcQ==",
      "license": "ISC"
    }
  }
}
```

## Package.json

```
{
```

```
"name": "student-managmentapp",
"version": "1.0.0",
"description": "",
"main": "index.js",
"scripts": {
  "test": "echo \"Error: no test specified\" && exit 1"
},
"keywords": [],
"author": "",
"license": "ISC",
"type": "commonjs",
"dependencies": {
  "express": "^5.2.1"
}
}
```

**Output:**

student management app / New Request

GET http://localhost:3000/students

Docs Params Authorization Headers (6) Body Scripts Settings Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body Cookies Headers (7) Test Results 200 OK 112 ms 325 B Save Response

{} JSON Preview Visualize

id	name	dept	age
0	Arun	IT	23
1	Bala	CSE	23

Cloud View Find and replace Console Terminal Runner Start Proxy Cookies Vault Trash ENG IN 19:31 02-01-2026

student management app / New Request

PUT http://localhost:3000/students/1

Docs Params Authorization Headers (8) Body Scripts Settings Cookies Schema Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "dept": "IT"
3 }
4
```

Body Cookies Headers (7) Test Results 200 OK 29 ms 278 B Save Response

{} JSON Preview Visualize

id	name	dept	age
1	Arun	IT	23

Cloud View Find and replace Console Terminal Runner Start Proxy Cookies Vault Trash ENG IN 18:36 02-01-2026

student management app / New Request

POST http://localhost:3000/students/bulk

Docs Params Authorization Headers (8) Body Scripts Settings Cookies Schema Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
6 },
7 {
8   "name": "Sita",
9   "dept": "MECH",
10  "age": 21
11 },
12 {
13   "name": "Kumar",
14   "dept": "EEE",
15   "age": 23
16 }
17
```

Body Cookies Headers (7) Test Results 201 Created 37 ms 468 B Save Response

{} JSON Preview Visualize

id	name	dept	age
0	Arun	IT	23
1	Bala	CSE	23
2	Ravi	ECE	22
3	Sita	MECH	21
4	Kumar	EEE	23

Cloud View Find and replace Console Terminal Runner Start Proxy Cookies Vault Trash ENG IN 18:22 02-01-2026

The screenshot shows a software interface for managing a student management application. On the left, there's a sidebar with sections for Collections, Environments, History, Flows, and Files (BETA). The main area displays a "student management app / New Request" screen. A "DELETE" request is being made to the URL `http://localhost:3000/students/1`. The "Body" tab is selected, showing the JSON payload:

```
1 [  
2 | {  
3 | | "name": "Ravi",  
4 | | "dept": "ECE",  
5 | | "age": 22  
6 | },  
7 | {  
8 | | "name": "Sita",  
9 | | "dept": "MECH",  
10 | | "age": 21  
11 | },  
12 ]  
13 
```

Below the body, the response is shown as a 200 OK status with 57 ms latency and 264 B size. The response body is:

```
1 {  
2 | | "message": "Student deleted"  
3 }  
4 
```

The bottom of the screen shows a toolbar with various icons and a system tray with weather information (27°C, Partly sunny), a search bar, and system status indicators.