

Please visit website: <http://cxyroad.com>

## 利用elysia, edgedb快速实现竞拍类项目

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### 1. 基于bun搭建monorepo

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bun搭建monorepo的文档地址

: [bun.sh/guides/inst...](<http://cxyroad.com/>  
"https://bun.sh/guides/install/workspaces")

...

```
mkdir bidder
cd bidder
bun init -y
```

```
.
├── README.md
├── bun.lockb
├── index.ts
├── node_modules
├── package.json
└── tsconfig.json
```

1 directory, 5 files

```
mkdir packages
cd packages
mkdir server client shared
cd server // 初始化服务器端项目
bun create elysia .
cd shared // 初始化共享lib
bun init -y
cd client // 生成前端项目
bun create vite . --template react
```

...

### ### 1.1 tsconfig.json文件的配置

...

```

{
  "compilerOptions": {
    // Enable latest features
    "lib": ["ESNext", "DOM"],
    "target": "ESNext",
    "module": "ESNext",
    "moduleDetection": "force",
    "jsx": "react-jsx",
    "allowJs": true,

    // Bundler mode
    "moduleResolution": "bundler",
    "allowImportingTsExtensions": true,
    "verbatimModuleSyntax": true,
    "noEmit": true,

    // Best practices
    "strict": true,
    "skipLibCheck": true,
    "noFallthroughCasesInSwitch": true,

    // Some stricter flags (disabled by default)
    "noUnusedLocals": false,
    "noUnusedParameters": false,
    "noPropertyAccessFromIndexSignature": false
  }
}

```

...

### ### 1.2 项目根目录中package.json配置

```

...
{
  "name": "bidder",
  "module": "index.ts",
  "private": true,
  "scripts": {
    "clean": "rm -rf node_modules packages/server/node_modules packages/client/node_modules",
    "dev:client": "cd packages/client && bun run dev",
    "dev:server": "cd packages/server && bun run dev",
    "dev": "concurrently \"bun run dev:server\" \"bun run dev:client\""
  },
  "type": "module",

```

```
  "workspaces": [  
    "packages/*"  
  ],  
  "devDependencies": {  
    "concurrently": "^8.2.2"  
  }  
}
```

...

## 2. edgedb数据库安装与初始化

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### 2.1 数据库地址: [www.edgedb.com/](http://cxyroad.com/  
"https://www.edgedb.com/")

...

```
curl https://sh.edgedb.com --proto 'https' -sSf1 | sh
```

```
cd server
```

```
edgedb project init
```

```
├── dbschema  
│   ├── default.esdl  
│   ├── edgeql-js  
│   └── migrations  
├── edgedb.toml  
├── package.json  
├── src  
│   ├── app.ts  
│   ├── auth.ts  
│   ├── db  
│   ├── index.ts  
│   ├── nats  
│   └── routes  
└── tsconfig.json
```

...

### 2.2 default.esdl中写数据模型

1. 用户模型
2. 产品模型
3. 竞拍下单模型
4. 房间模型

...

```
module default {  
  type User {  
    required name: str {  
      constraint exclusive;  
      constraint max_len_value(50);  
    };  
    required passwd: str {  
      constraint min_len_value(6);  
    };  
  }  
}
```

```
type Product {  
  required name: str {  
    constraint exclusive;  
    constraint max_len_value(50);  
  };  
  required basePrice: int64 {  
    constraint min_value(0);  
  };  
  currentPrice: int64 {  
    default := 0;  
  };  
  required duration: int64 {  
    default := 300;  
  };  
  required timer: int64 {  
    default := 300;  
  };  
  
  soldAt: datetime;  
  auctionStarted: bool {  
    default := false;  
  };  
  auctionEnded: bool {  
    default := false;  
  };  
  
  sold: bool {  
    default := false;  
  };  
  required owner: User;  
  purchasedBy: User;  
  currentBidder: User;  
  multi bids: Bid;
```

```
}  
  
type Bid {  
  user: User;  
  amount: int64 {  
    default := 0;  
  };  
  time: datetime {  
    default := std::datetime_current();  
  }  
}  
  
type Room {  
  required product: Product;  
  multi users: User;  
}  
}
```

...

### ### 2.3 数据库迁移

...

```
edgedb create migration  
edgedb migrate  
bun add edgedb  
bun add -D @edgedb/generate  
bunx @edgedb/generate edgeql-js // 生成ts版本 query builder
```

...

## 3. 消息队列

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### ### 3.1 安装nats.io server

...

```
go install github.com/nats-io/nats-server/v2@latest  
nats-server
```

...

[flowus.cn/share/ce3dd...](http://cxyroad.com/  
"https://flowus.cn/share/ce3dd5d1-7d7d-4be1-b2fc-  
bb75a0baf5f5?code=GN5JFM")

【FlowUs 息流】 elysia项目实战

原文链接: <https://juejin.cn/post/7380292749179961359>