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1. Set Up Awal Projek Backend

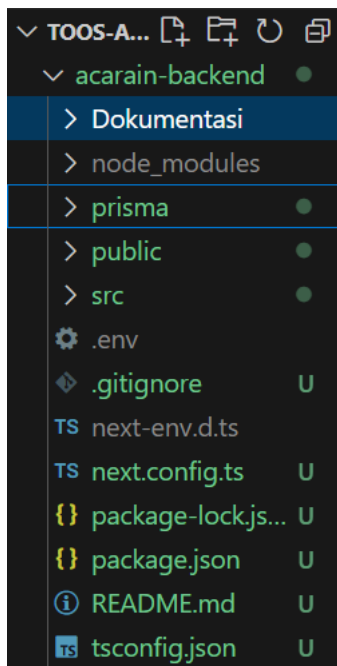
```
PS D:\KULIAHKU\SEMESTER 6\PEMROGRAMAN BERORIENTASI SERVIS\TUGAS AKHIR\TOOS-Acarain> npx create-next-app@latest
Need to install the following packages:
create-next-app@15.1.8
Ok to proceed? (y) y

✓ What is your project named? ... acarain-backend
✓ Would you like to use TypeScript? ... No / Yes
✓ Would you like to use ESLint? ... No / Yes
✓ Would you like to use Tailwind CSS? ... No / Yes
✓ Would you like your code inside a `src/` directory? ... No / Yes
✓ Would you like to use App Router? (recommended) ... No / Yes
✓ Would you like to use Turbopack for `next dev`? ... No / Yes
✓ Would you like to customize the import alias (`@/*` by default)? ... No / Yes
Creating a new Next.js app in D:\KULIAHKU\SEMESTER 6\PEMROGRAMAN BERORIENTASI SERVIS\TUGAS AKHIR\TOOS-Acarain\acarain-backend.

Using npm.

Initializing project with template: app
```

create-next-app adalah tool scaffolding resmi dari Next.js untuk membuat kerangka awal proyek secara cepat tanpa harus menyusun semuanya secara manual.



2. Membuat file .env

```
DATABASE_URL="mysql://root:@localhost:3306/db_acarain"
```

Digunakan untuk menghubungkan aplikasi ke database MySQL.

3. Install Prisma

```
PS D:\KULIAHKU\SEMESTER 6\PEMROGRAMAN BERORIENTASI SERVIS\TUGAS AKHIR\TOOS-Acarain\acarain-backend> npm install prisma --save-dev

added 8 packages, and audited 43 packages in 11s

5 packages are looking for funding
  run `npm fund` for details

1 critical severity vulnerability

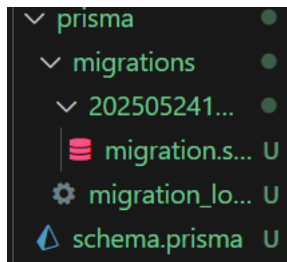
To address all issues, run:
  npm audit fix --force

Run `npm audit` for details.
```

```
PS D:\KULIAHKU\SEMESTER 6\PEMROGRAMAN BERORIENTASI SERVIS\TUGAS AKHIR\TOOS-Acarain\acarain-backend> npx prisma init
Fetching latest updates for this subcommand...

Fetching latest updates for this subcommand...

✓ Your Prisma schema was created at prisma/schema.prisma
  You can now open it in your favorite editor.
```



4. Buat Model Schema Prisma

```
PS D:\KULIAHKU\SEMESTER 6\PEMROGRAMAN BERORIENTASI SERVIS\TUGAS AKHIR\TOOS-Acarain\acarain-backend> npx prisma init
Fetching latest updates for this subcommand...

Fetching latest updates for this subcommand...

✓ Your Prisma schema was created at prisma/schema.prisma
  You can now open it in your favorite editor.
```

```
generator client {
  provider = "prisma-client-js"
}

datasource db {
  provider = "mysql"
  url      = env("DATABASE_URL")
}

model Admin {
  id          String @id @default(cuid())
  name        String
  email       String @unique
  password    String
  createdAt   DateTime @default(now())
  updatedAt   DateTime @updatedAt
}

model Event {
  id           String @id @default(cuid())
  thumbnail    String
  title        String
  slug         String @unique
  description   String @db.LongText
  location     String
  date         DateTime
  quota       Int
  createdAt    DateTime @default(now())
  updatedAt    DateTime @updatedAt
  registrations Registration[]
}

model Major {
  id          String @id @default(cuid())
  name        String
  createdAt    DateTime @default(now())
  updatedAt    DateTime @updatedAt
  registrations Registration[]
}
```

5. Membuat Model Prisma Migrate Dev

```
PS D:\KULIAHKU\SEMESTER 6\PEMROGRAMAN BERORIENTASI SERVIS\TUGAS AKHIR\TOOS-Acarain\acarain-backend> npx prisma migrate dev
Environment variables loaded from .env
Prisma schema loaded from prisma\schema.prisma
Datasource "db": MySQL database "db_acarain" at "localhost:3306"

MySQL database db_acarain created at localhost:3306

Applying migration `20250524134305_first_migrate`

The following migration(s) have been created and applied from new schema changes:

migrations/
├─ 20250524134305_first_migrate/
└─ migration.sql

Your database is now in sync with your schema.
```

```
▼ prisma ●
  ▼ migrations ●
    ▼ 202505241... ●
      migration.s... U
      migration_lo... U
      schema.prisma U
```