

## To-Do List App — Documentation

### Overview

The **To-Do List App** is a full-stack application built with:

- **Frontend:** React
- **Backend:** FastAPI
- **Database:** PostgreSQL (deployed via Render)

The app allows users to:

- Add, update, delete, and filter tasks
- Toggle between light and dark modes
- Store user preferences in local storage

### Technologies Used

Layer	Technology
Frontend	React (JavaScript)
Backend	FastAPI (Python)
Database	PostgreSQL
ORM	SQLAlchemy
Deployment	Render

### Features

- Add, edit, remove tasks
- Mark tasks as completed or pending
- Filter tasks by **all**, **completed**, or **pending**
- Light/Dark mode toggle
- Persistent preferences using localStorage

## API Endpoints

### Base URL

<https://appdev-todolist-fastapi.onrender.com>

### Endpoints

#### GET /tasks

- **Description:** Fetch all tasks
- **Query Param** (optional): filter (all | completed | pending)

#### POST /tasks

- **Description:** Add a new task

#### GET /tasks/{id}

- **Description:** Fetch a task by ID

#### PUT /tasks/{id}

- **Description:** Update a task (title or completion status)

#### DELETE /tasks/{id}

- **Description:** Delete a task