Atlassian Bug Tracker

Quick Start Setup Guide

PREREQUISITES

Requirement	Version	Install Command
Python	3.11+	pyenv install 3.11
Node.js	20+	nvm install 20
Docker Desktop	Latest	docker.com/products/docker-desktop
Poetry	Latest	curl -sSL install.python-poetry.org | python3 -

STEP 1: START POSTGRESQL DATABASE

Start the PostgreSQL database container using Docker Compose:

```
cd ~/atlassian-bug-dashboard
docker-compose up -d postgres
```

Note: Wait a few seconds for the database to initialize before proceeding.

STEP 2: SET UP BACKEND (API SERVER)

a) Install Python dependencies:

```
cd backend
poetry install --no-root
```

b) Create environment file (.env in backend/ directory):

```
DATABASE_URL=postgresql://atlassian_user:atlassian_pass@localhost:5432/atlassian_bugs
ANTHROPIC_API_KEY=sk-ant-... # Optional: for AI triage
ALLOWED_ORIGINS=http://localhost:3000
```

c) Initialize the database:

```
poetry run python scripts/init_db.py
```

d) Start the API server:

```
poetry run uvicorn app.main:app --reload
```

Backend will be available at: http://localhost:8000

STEP 3: SET UP FRONTEND (WEB UI)

Open a new terminal window and run:

```
cd ~/atlassian-bug-dashboard
npm install
npm run dev
```

Frontend will be available at: http://localhost:3000

STEP 4: SYNC BUG DATA FROM JIRA

Trigger a data sync to load bugs from Atlassian Jira:

```
curl -X POST "http://localhost:8000/api/bugs/sync?auto_triage=true"
```

Or visit http://localhost:8000/docs and use the Swagger UI.

ACCESS POINTS

Service	URL	Description
Dashboard	http://localhost:3000	Main bug tracker dashboard
Bug List	http://localhost:3000/bugs	Detailed bug listing page
API Docs	http://localhost:8000/docs	Swagger UI for API testing
Health Check	http://localhost:8000/api/health	API health status endpoint

TROUBLESHOOTING

Issue	Solution
Database connection failed	Ensure Docker is running: docker ps	grep postgres
Port 3000 already in use	Kill existing process: lsof -ti:3000	xargs kill -9
Port 8000 already in use	Kill existing process: lsof -ti:8000	xargs kill -9
Poetry not found	Ensure Poetry is in PATH: export PATH="$HOME/.local/bin:$PATH"
npm: command not found	Install Node.js via nvm: nvm install 20 && nvm use 20