# Planception User Manual

## Introduction

Planception is a lightweight task management system designed to help multidisciplinary users (students, writers, professionals) organize assignments and deadlines. This guide will walk you through installation, usage, and troubleshooting.

## 1. Installation & Setup

### Prerequisites

- Windows 10/11 (Linux/Mac supported with slight path differences)
- Python 3.10+
- Git (optional, for pulling updates)

### Setup Steps

1. Clone or download the repository:
   [git clone https://github.com/<your-username>/planception.git]
   [cd planception]
2. Create a virtual environment:
   [python -m venv .venv]
   [. .\.venv\Scripts\Activate.ps1]
3. Install dependencies:
   [pip install -r requirements.txt]
4. Initialize the database (first run will auto-create it in [/instance/]).

## 2. Running the Application

1. Set the Flask environment:

[$env:FLASK_APP="app.py"]

[flask run]

2. Open your browser to:

   [http://127.0.0.1:5000]

# 3. Using Planception

## Create a Task

- Navigate to the Add Task form.
- Enter:
    - Title (required)
    - Due Date (YYYY-MM-DD)
    - Priority (Low / Medium / High)
    - Category (School, Work, Writing, etc.)
- Click Add Task.
- ✅ Success: Task appears in All Tasks, Today (if due today), and Overdue (if past due).

## View Tasks

- All Tasks → full list of entries.
- Today's Tasks → highlights tasks due today.
- Overdue → tasks past their due date.

## Delete a Task

- Press the Delete button next to a task.
- Confirmation message will appear at the top.

(Editing and sorting will arrive in V2 - future releases will expand features.)

# 4. Running Tests

From the project root:

[python -m pytest -q]

- ✔ 5 passing tests = everything works.
- To view coverage:

  [pytest --cov=./ --cov-report=html]

  Then open [htmlcov/index.html] in your browser.

## 5. Troubleshooting

- Error: [ModuleNotFoundError: No module named 'app']

  Run tests with:

  [python -m pytest -q]

  (instead of just [pytest]).
- Database not creating?

  Make sure [/instance/] exists in your project root. Flask will populate [planception.sqlite].
- Styles not showing?

  Confirm [/static/styles.css] is linked in [templates/base.html].

## 6. Versioning

- V1 (MVP): Create, delete, date-based filtering, basic persistence, and tests.
- V1.1: Docs, diagrams, README, testing report.
- V2 (Planned): Editing tasks, sorting by category/priority, optional time fields.

## 7. Credits

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Tools: Python 3.10, Flask, SQLAlchemy, pytest