

FlySky Flight Reservation System - User Guide

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Introduction

The FlySky Flight Reservation System is a desktop application built with Python that allows you to easily book and manage your flight reservations. With a simple and intuitive interface, you can:

- Book new flights with complete details
- View all your existing reservations
- Edit reservation information
- Cancel reservations when needed
- Search through your booking history

System Requirements

Minimum Requirements

- Windows 7, 8, 10, or 11
- Python 3.6 or higher (if running from source)
- 50MB free disk space
- 2GB RAM

Recommended

- Windows 10 or 11
- 100MB free disk space
- 4GB RAM

Installation & Setup

Option 1: Running from Source Code

1. Ensure Python 3.6+ is installed on your system
2. Download or clone the project files
3. Open a command prompt in the project directory
4. Install required dependencies:

```
pip install -r requirements.txt
```

5. Run the application:

```
python main.py
```

Option 2: Using the Standalone Executable

1. Download the `main.exe` file from the `dist` folder
2. Double-click the executable to launch the application
3. No installation required - it's a portable application

Database Setup

- The application automatically creates a SQLite database (`flights.db`) in the same directory

- No additional database setup is required
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Getting Started

When you first launch the Flight Reservation System, you'll see the Home screen with options to book a flight or view existing reservations.

From here, you can:

- Click "Book Flight" to make a new reservation
 - Click "View Reservations" to see your existing bookings
 - No login required - all data is stored locally on your computer
-

Booking a Flight

To book a new flight:

1. From the Home screen, click the "Book Flight" button
2. Fill in the reservation form with your details:

The booking form includes these fields:

- **Full Name:** Enter your complete name as it appears on your ID
- **Flight Number:** The airline's flight number (e.g., AA1234)
- **Departure:** City where your flight originates
- **Destination:** City where your flight will land
- **Date:** Travel date in YYYY-MM-DD format (e.g., 2025-09-15)
- **Seat Number:** Your preferred seat assignment (e.g., 12A)

3. Review your information for accuracy
4. Click "Book Flight" to confirm your reservation
5. You'll receive a confirmation message with your reservation ID

Tips for Booking

- Double-check all information before submitting
 - Date must be in YYYY-MM-DD format
 - Seat numbers typically follow patterns like "12A", "23F", etc.
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Managing Reservations

To view your reservations:

1. From the Home screen, click "View Reservations"
2. You'll see a list of all your bookings in a table format
3. Use the search box to filter reservations by any field
4. Click column headers to sort the list
5. Select a reservation to view details or perform actions

Reservation Table Columns

- **ID:** Unique reservation identifier
 - **Name:** Passenger name
 - **Flight Number:** Airline flight number
 - **Departure:** Departure city
 - **Destination:** Arrival city
 - **Date:** Travel date
 - **Seat:** Seat assignment
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Editing Reservations

To modify an existing reservation:

1. From the Reservations list, select the booking you want to change
2. Click the "Edit" button
3. The edit form will open with current values pre-filled
4. Make your changes to the appropriate fields
5. Click "Update Reservation" to save changes
6. You'll receive a confirmation message when updates are saved

Important Notes

- You can edit any field of your reservation
- Date must remain in YYYY-MM-DD format
- Changes are saved immediately to the local database

Deleting Reservations

To cancel a reservation:

1. From the Reservations list, select the booking you want to cancel
2. Click the "Delete" button
3. A confirmation dialog will appear to prevent accidental deletions
4. Confirm that you want to delete the reservation
5. The reservation will be permanently removed from your database

Important Notes

- Deleted reservations cannot be recovered
- This action only removes the reservation from your local application
- You may still need to contact the airline for official cancellation

Troubleshooting

Common Issues and Solutions

Application won't start (Source Version)

- Ensure Python is properly installed
- Check that all dependencies are installed: `pip install -r requirements.txt`
- Verify you're running the command in the correct directory

Application won't start (Executable Version)

- Try redownloading the executable if it's corrupted
- Check if your antivirus is blocking the application

Can't see my reservations

- Use the search function with different terms
- Check if you're looking at the correct date range

Form won't submit

- Check that all required fields are filled
- Verify date format is YYYY-MM-DD
- Ensure no fields contain invalid characters

Database errors

- Restart the application
- If problem persists, delete the flights.db file to start fresh (this will erase all data)

Data Storage

Your reservation data is stored in a SQLite database file (flights.db) in the application directory. For backup:

1. Locate the `flights.db` file
2. Copy this file to a safe location
3. To restore, replace the file in the application directory

FAQ

Q: Is my reservation data shared with airlines? A: No, this is a local reservation management system. All data stays on your computer.

Q: Can I use the application on multiple computers? A: Yes, but reservations are stored locally on each computer. You'll need to manually transfer the database file or re-enter reservations.

Q: What if I lose my reservation ID? A: You can always look up reservations by name, flight number, or date in the View Reservations section.

Q: Is there a mobile version? A: Currently, the application is only available as a desktop application for Windows.

Q: How do I update the application? A: Download the latest version and replace your current files. Your database should be preserved if you keep the flights.db file.

Q: Can I print my reservations? A: You can use the print screen function (PrtScn) to capture and print your reservations.

Q: How do I create the executable myself? A: Install PyInstaller (`pip install pyinstaller`) and run: `pyinstaller --onefile main.py`

Support

For additional help with the application:

- Check the README.md file included with the application
 - Review the source code comments for technical details
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