**Panda Music Database Backup/Restore Instructions Manual**

**1. Installing and Populating the Database in SSMS**

**Step 1: Open SQL Server Management Studio (SSMS)**

1. Launch SQL Server Management Studio.
2. Connect to your SQL Server instance by entering your server details and credentials.

**Step 2: Create the Database from the Script**

1. In SSMS, go to the menu **File > Open > File...**.
2. Navigate to the location where **Panda\_Music.sql** is saved and open the file.
3. In the query window that opens, select the appropriate database instance (or just master) and then click **Execute**.
   * This script will create the database and the necessary tables for Panda Music.

**Step 3: Populate the Database with Data**

1. Open the **PopulatingTables 2.sql** file by going to **File > Open > File...**.
2. Select your Panda Music database from the dropdown menu in the query window.
3. Click **Execute** to run the script and populate your database tables with data.

Your Panda Music database should now be created and populated with the necessary data.

**2. Backing Up the Database**

**Step 1: Open the Backup Wizard**

1. In the **Object Explorer**, right-click on the Panda Music database.
2. Hover over **Tasks** and select **Back Up...** from the submenu.

**Step 2: Configure the Backup Settings**

1. In the **Back Up Database** dialog box, ensure the correct database is selected.
2. Under **Backup type**, choose **Full**.
3. In the **Destination** section, select **Disk** and then click **Add**.
4. Choose the location and file name for the backup file. Make sure to use a .bak file extension (e.g., Panda\_Music.bak).
5. Click **OK** to confirm the backup destination.

**Step 3: Perform the Backup**

1. Review the backup settings and click **OK** to start the backup.
2. A confirmation message will appear once the backup is complete.

**3. Restoring the Database from a Backup**

**Step 1: Open the Restore Wizard**

1. In the **Object Explorer**, right-click on **Databases** and select **Restore Database...**.

**Step 2: Configure the Restore Settings**

1. Under **Source**, select **Device** and then click **...** to browse for the backup file.
2. Click **Add**, navigate to the location of the backup file (Panda\_Music.bak), and select it. Click **OK**.
3. In the **Restore Database** dialog, verify that the correct backup set is selected.

**Step 3: Configure Options (if necessary)**

1. Go to the **Options** page on the left.
2. If you need to overwrite an existing database, select **Overwrite the existing database (WITH REPLACE)**.
3. Review other options as needed, then click **OK**.

**Step 4: Perform the Restore**

1. Click **OK** to begin the restoration process.
2. Once the restoration is complete, a confirmation message will appear.

Your Panda Music database should now be successfully restored and ready for use.

# **4. Backing Up Historical Data**

Step 1: Open the Backup Wizard

1. In the Object Explorer, right-click on the Panda Music database.

1. In the Object Explorer, right-click on the Panda Music database.

2. Hover over Tasks and select Back Up... from the submenu.

Step 2: Configure the Backup Settings

1. In the Back Up Database dialog box, ensure the correct database is selected.

2. Under Backup type, choose Full.

3. In the Destination section, select Disk and then click Add.

4. Choose the location and file name for the backup file. Make sure to use a .bak file extension (e.g., Panda\_Music\_History.bak).

5. Click OK to confirm the backup destination.

Step 3: Perform the Backup

1. Review the backup settings and click OK to start the backup.

2. A confirmation message will appear once the backup is complete.

Step 1: Open the Restore Wizard

1. In the Object Explorer, right-click on Databases and select Restore Database....

Step 2: Configure the Restore Settings

1. Under Source, select Device and then click ... to browse for the backup file.

2. Click Add, navigate to the location of the backup file (Panda\_Music\_History.bak), and select it. Click OK.

3. In the Restore Database dialog, verify that the correct backup set is selected.

Step 3: Configure Options (if necessary)

1. Go to the Options page on the left.

2. If you need to overwrite an existing database, select Overwrite the existing database (WITH REPLACE).

3. Review other options as needed, then click OK.

Step 4: Perform the Restore

1. Click OK to begin the restoration process.

2. Once the restoration is complete, a confirmation message will appear.