📁 Folder Creator - Application Documentation

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This application is a GUI-based Folder Creator built using Python and ttkbootstrap. It allows users to interactively create nested folder structures, save/load templates, and track creation logs. It includes modern UI elements, animated updates, and a walkthrough guide.

# 1. Features

- Browse and select a parent directory  
- Input top-level folders via comma-separated text  
- Prompt-based subfolder creation for each top-level folder  
- Save and load folder structure templates in JSON format  
- Dark/light theme toggle  
- Scrollable log and real-time status messages  
- Toast notifications on folder creation  
- Walkthrough documentation tab

# 2. GUI Layout

- Main window uses ttkbootstrap with theme 'minty' and supports toggle to 'darkly'  
- Header with app title and toggle button  
- Tabs for folder creation and walkthrough guide  
- Inputs: Parent folder selector, top-level folder entry  
- Buttons: Load Template, Save Template, Create Folders  
- Scrolled text area for logs  
- Dynamic status label and toast alerts

# 3. Core Logic

- Uses `os.makedirs` to create folders recursively  
- Folder structure saved in `folder\_structure` dict  
- Subfolders prompted via `simpledialog.askstring`  
- Threads used for non-blocking folder creation with animations  
- Toast messages shown using `app.after` for short popups

# 4. Template Handling

- Templates saved as `.json` using `json.dump`  
- Templates loaded via `json.load`, updating internal structure  
- Enables reuse of standard folder hierarchies

# 5. Logging and Status Updates

- Logs are written to a `ScrolledText` widget  
- Status messages shown at the bottom using `status\_var`  
- Real-time feedback using colored text and checkmark emojis

# 6. Walkthrough Tab

A walkthrough tab provides in-app documentation using formatted text. It explains each step for new users, improving usability.

# 7. Customization Tips

- You can modify the `show\_toast` function for advanced UI effects.  
- Expand folder\_structure to support deeper hierarchies.  
- Enhance logging with timestamps or export as text file.

# 8. Requirements

- Python 3.x  
- ttkbootstrap