**Data Flow Diagram for toggletheme**

Level 0(Context Diagram):

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| External Entity: User |

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| User Actions (Toggle Theme, Show/Hide Sections)

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| Toggle Theme App |

| (Process: 1.0) |

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| Theme State, Section Visibility

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| Data Store: |

| - Theme Data |

| - Section Data |

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Explanation:

* **User Interaction**: Shows how the user interacts with the app by triggering actions like toggling the theme and showing/hiding sections.
* **App as a Process**: The entire application ("Toggle Theme App") is represented as a single process, hiding internal details.
* **Data Management:** Highlights the two main types of data the app manages: "Theme Data" (current theme) and "Section Data" (visibility of sections).

Level 1(Decomposition of Process):

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| External Entity: User |

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| User Actions (Toggle Theme)

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| Process: 1.1 - |

| Theme Toggling |

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| Theme State

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| Data Store: Theme Data |

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| User Actions (Show/Hide Sections)

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| Process: 1.2 - |

| Section Visibility |

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| Section Visibility

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| Data Store: |

| - Section Data |

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Explanation:

* **Level 1:**
  + Breaks down the app into two processes:
    - "Theme Toggling": Handles switching between light and dark themes based on user action.
    - "Section Visibility": Controls which sections (About, Contact) are shown or hidden based on user clicks.

Key points:

* This DFD illustrates how user interactions change the state of the application (theme and section visibility).
* It shows a simple data flow where user actions are the primary input, and the visual appearance of the app is the main output.
* This is a basic example, and for a more complex app, you might have additional processes (e.g., data fetching, user authentication) and data stores.