# Figure 2.4: Activity Diagram for Theme Customization Process

+----------------------------------------------------------------------+  
| |  
| Theme Customization Process |  
| |  
+----------------------------------------------------------------------+  
| |  
| +----------+ |  
| | Start | |  
| +----------+ |  
| | |  
| v |  
| +------------------+ |  
| | User Navigates | |  
| | to Theme Page | |  
| +------------------+ |  
| | |  
| v |  
| +------------------+ |  
| | Load Current | |  
| | Theme Settings | |  
| +------------------+ |  
| | |  
| v |  
| +------------------+ |  
| | Display Theme | |  
| | Options | |  
| +------------------+ |  
| | |  
| |<-----------------------------------------+ |  
| v | |  
| +------------------+ | |  
| | User Selects | | |  
| | Theme Option | | |  
| +------------------+ | |  
| | | |  
| v | |  
| +------------------+ Yes +-------------+| |  
| | Selected Built-in|------------>| Load || |  
| | Theme? | | Predefined || |  
| +------------------+ | Theme || |  
| | No +-------------+| |  
| v | | |  
| +------------------+ | | |  
| | Display Color |<-------------------+ | |  
| | Customization | | |  
| +------------------+ | |  
| | | |  
| v | |  
| +------------------+ | |  
| | User Adjusts | | |  
| | Colors/Settings | | |  
| +------------------+ | |  
| | | |  
| v | |  
| +------------------+ | |  
| | Preview Theme | | |  
| | Changes | | |  
| +------------------+ | |  
| | | |  
| v | |  
| +------------------+ No +--------------+ |  
| | User Satisfied? |------------>| Continue | |  
| | | | Adjustments |---------------->+  
| +------------------+ +--------------+ |  
| | Yes |  
| v |  
| +------------------+ |  
| | Save Theme | |  
| | Settings | |  
| +------------------+ |  
| | |  
| v |  
| +------------------+ Yes +--------------+ |  
| | Save as Custom |------------>| Enter Theme | |  
| | Theme? | | Name | |  
| +------------------+ +--------------+ |  
| | No | |  
| |<----------------------------------- |  
| v |  
| +------------------+ |  
| | Apply Theme to | |  
| | Application | |  
| +------------------+ |  
| | |  
| v |  
| +------------------+ |  
| | Display Success | |  
| | Message | |  
| +------------------+ |  
| | |  
| v |  
| +------------------+ |  
| | End Theme | |  
| | Customization | |  
| +------------------+ |  
| |  
+----------------------------------------------------------------------+

This activity diagram illustrates the theme customization process in the Pro Mood Tracker application. The process begins when a user navigates to the Theme page, where the system loads and displays current theme settings and available options. The user selects a theme option, which can either be a built-in theme or a custom one. If the user selects a built-in theme, the system loads predefined settings; otherwise, it displays color customization options. The user can adjust colors and settings while previewing changes in real-time. If not satisfied, the user can continue making adjustments until the desired look is achieved. Once satisfied, the user saves the theme settings, with an option to save as a custom theme with a unique name. The system then applies the selected theme to the entire application and displays a success message. This process demonstrates the application’s focus on personalization and user experience, allowing users to tailor the visual aspects of the application to their preferences.