**Smart Scheduler Director (SSD) - Specification Draft**

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The application, Smart Scheduler Director, is a web-based scheduling tool designed to help users create and save weekly schedules. The interface provides a user-friendly layout for entering tasks for each day of the week and each hour between 8 AM and 10 PM. The application integrates with Firebase for storing and managing schedules.

**Key Features**

1. **User Interface:**
   * Fully responsive layout ensuring usability across devices.
   * Intuitive grid structure displaying 7 days (Monday to Sunday) with input fields for each hour (8 AM - 10 PM).
2. **Task Input:**
   * Each day has dedicated text input fields for hourly tasks.
   * Placeholder text ("Your Task") guides user input.
3. **Schedule Management:**
   * Users can name their schedules with a dedicated input field.
   * Option to save schedules to Firebase.
4. **Firebase Integration:**
   * Stores schedule data, including task details for each hour and schedule name.
   * Provides real-time database functionality.
5. **Notifications:**
   * Displays success or error notifications after attempting to save a schedule.
6. **Error Handling:**
   * Validates that a schedule name is entered before saving.
   * Logs warnings if an expected input field is missing.

**Technology Stack**

1. **Frontend:**
   * **HTML5**: For structure.
   * **CSS3**: For styling, including flexbox and grid for layout.
2. **Backend:**
   * **Firebase Realtime Database**: For schedule data storage.