Seventh Minute

Project: Smarthome App Development
Date: 18/11/2024
Time: 21:00
Attendees:
Angela Ribeiro
Rita Silva
Hugo Castro
Regina Tavares

Agenda:

1. Implementation of New Devices for Automation
2. Enhancing Device Control Parameters
3. Development of Specific Automation Pages
4. Device Testing and Integration

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1. Implementation of New Devices for Automation

Discussion:

- The team reviewed the list of devices to be added to the automation system:
  - **Despertador**: Control for alarm tones (e.g., "song" selection).
  - **Ar Condicionado**: Parameters for airflow direction and rate.
  - **Coffee Machine**: Control for brewing schedules.
  - **LightBulbs**: Features include color, temperature, and brightness adjustment.
  - **Washing and Drying Machine**: Parameters include cycle time, washing and drying modes, and percentages for conditioner and detergent.
  - **Shutters**: Adjustment of open/close percentage.
  - **Television**: Volume and brightness controls.
  - **Speakers**: Integration for sound control and multi-room features.
  - **Heated Floors**: Control for temperature adjustments.
    Conclusion:
    The listed devices were unanimously approved for integration into the app's automation framework. Priority will be given to devices with existing APIs or standard protocols.

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2. Enhancing Device Control Parameters

Discussion:

- Each device will have specific parameters optimized for user control.
- Parameters include:
  - Context-aware controls (e.g., light temperature based on time of day).
  - Granularity for adjustments (e.g., percentage-based shutter openings).
  - Real-time feedback for user actions.
    Conclusion:
    All parameters will be standardized across devices to ensure consistent user experience. Detailed parameter definitions will be reviewed in the next sprint.

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3. Development of Specific Automation Pages

Discussion:

- Device-specific pages will be designed to handle unique features and customization options.

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4. Device Testing and Integration

Discussion:

- Testing will simulate various scenarios to validate device compatibility and performance.
- Python scripts will generate realistic device interactions and room configurations.
- A dedicated testing environment will be deployed to ensure seamless integration.

Final Notes:
The team agreed to prioritize seamless device integration for the upcoming milestone. The project management tool will be updated with new tasks and deadlines.