CSCI 362 Deliverable 4: SugarLabs
The Chocolate L'Eclairs
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1.    **Deliverable 4: All Automated Test Cases**
  I.      **Documentation**
    1. Each test case executable file has been saved in the
       /testing-framework/testCaseExecutables/ folder.
    2. Each test case description has been saved in the
       /testing-framework/testCases/ folder. Inside each text file will contain a short
       description as well as the inputs for the respective executable file
  II.     **Test Case Specification**
    1. Activity Chooser
       - Requirement: Checks ActivityChooser titles and constructor
       - Component: jarabe.model.activitychooser.py
       - Method: set_title
    2. Age Calculator
       - Requirement: Checks for valid timestamp calculation of a birthdate
       - Component: jarabe.intro.agepicker.py
       - Method: calculate_age
    3. Age Calculator Invalid
       - Requirement: Checks for invalid timestamp calculation of a birthdate
       - Component: jarabe.intro.agepicker.py
       - Method: calculate_age
    4. Buddy Color
       - Requirement: Checks for color change ability
       - Component: jarabe.model.buddy.py
       - Method: set_color
    5. Buddy Key
       - Requirement: Checks for key change ability
       - Component: jarabe.model.buddy.py
       - Method: set_key
    6. Buddy Nickname
       - Requirement: Checks for nickname changes
       - Component: jarabe.model.buddy.py
       - Method: set_nick
    7. Change Brightness
       - Requirement: Can set the brightness levels
       - Component: jarabe.model.brightness.py
       - Method: set_brightness

8. CMD Help
   - Requirement: Testing system command line
   - Component: jarabe.controlpanel.cmd.py
   - Method: cmd_help
9. CMD Restart
   - Requirement: Testing the system command line
   - Component: jarabe.controlpanel.cmd.py
   - Method: node_restart
10. Help Website
    - Requirement: Checks for the link to the help website
    - Component: jarabe.view.viewhelp.py
    - Method: get_social_help_server
11. HTTP Open
    - Requirement: Checks that http requests can be made
    - Component: jarabe.util.httprange.py
    - Method: open
12. HTTP Size
    - Requirement: Checks that https requests are valid
    - Component: jarabe.util.httprange.py
    - Method: size
13. Journal Comment
    - Requirement: Checks for journal comments
    - Component: jarabe.journal.expandedentry.py
    - Method: add_row
14. String isAscii
    - Requirement: Checks to make sure strings can be represented in ascii code
    - Component: jarabe.desktop.keydialog.py
    - Method: string_is_ascii
15. String isHex
    - Requirement: Checks to make sure the hex string comparison is working
    - Component: jarabe.desktop.keydialog.py
    - Method: string_is_hex
16. String Hex Converter
    - Requirement: Checks the string hex converter
    - Component: jarabe.desktop.keydialog.py
    - Method: string_to_hex
17. Friends Model
    - Requirement: Checks for the friends model creation
    - Component: jarabe.model.friends.py
    - Method: get_model

18. Add Friend
    - Requirement: Checks for errors when adding a friend
    - Component: jarabe.model.friends.py
    - Method: add_friend
19. Has Friend
    - Requirement: Checks for added friends to appear as added
    - Component: jarabe.model.friends.py
    - Method: has_friend
20. String Normalization
    - Requirement: Tests string normalization (removing non ascii characters)
    - Component: jarabe.util.normalize
    - Method: normalize
21. Serial Number Generation
    - Requirement: Checks for randomize serial generation
    - Component: jarabe.desktop.schoolserver.py
    - Method: _generate_serial_number
22. System Session Support
    - Requirement: Checks for school session logging support
    - Component: jarabe.model.session
    - Method: have_systemd
23. Get System Session
    - Requirement: Checks session logging
    - Component: jarabe.model.session
    - Method: get_session
24. Set Volume
    - Requirement: Changes the system volume
    - Component: jarabe.model.sound.py
    - Method: set_volume
25. Mute Volume
    - Requirement: Mutes the system volume
    - Component: jarabe.model.sound.py
    - Method: set_muted
26. Speech Manager
    - Requirement: Creates a speech manager utility
    - Component: jarabe.model.speed.py
    - Method: get_speech_manager