1 Analyzed Test Suite

CORE CONTEXTS: ['ConversationType', 'Status', 'NetworkType', 'Context', 'TimeOfDay']
CORE FEATURES: ['Conversation', 'Send', 'PushNotification', 'Message', 'Theme', 'Receive', 'VoiceNotes', 'Feature', 'Text', 'TypeOfMessage', 'ProfileCustomization']

N°	Added Contexts	Deleted Contexts	Added Features	Deleted Features
1	ConversationType, WiFi, Meeting, Status, NetworkType, Group, Night, Context, TimeOfDay		Feature, Videos, Images, Conversation, Send, VoiceNotes, PushNotification, Text, Message, Theme, Receive, TypeOfMessage, Mute, ProfileCustomization, DarkMode	
2	Free, Day	Meeting, Night	Normal, LightMode	DarkMode
3	Driving, MobileData	Free	Voice Notes	Normal
4	Personal	WiFi, Group	Normal	Videos, Images, Mute
5	Meeting	Driving	Mute	
6	Night, Free	Meeting, Day	Videos, Images, DarkMode	LightMode, Mute
7	Driving, Group	Personal, Free	Mute	Videos, Normal, Images
8	Personal, WiFi, Day	Group, Night, MobileData	Videos, Normal, Images, LightMode	Mute, DarkMode

2 Usage Scenarios

Test N°	Usage Scenario
1	Initial situation when the user is using WiFi in a meeting and a group conversation at night, the user can send and receive videos, files, images, voice notes and text messages with muted notifications. The app's theme is in dark mode and the user can customize its profile.
2	When the user is free in the day, the app theme is in Light Mode and the user can receive notifications with sound
3	When the user is driving and is connected to mobile data network, the user can send/receive only voice notes as messages
4	When the user is in a personal conversation, the user can receive messages with normal sound notifications
5	When the user is in a meeting, the incoming notifications will be silence mode
6	When the user is free at night, the user can only receive messages of type videos, images, and can the app switched to the Dark Mode theme
7	When the user is driving and having a group conversation, the notifications are muted so no sounds will trigger upon new notifications arrival
8	When the user is connected to WiFi in the day and is chatting with a personal conversation, the user can send/receive messages of type videos and images, and the notifications will be received with a sound, the app theme will be switched to Light Mode

Contexts	Features
Meeting	Mute
Free	Normal, Text, Images, Videos, Voice Notes
Driving	Voice Notes
Day	Light Mode
Night	Dark Mode
Mobile Data	Text, Voice Notes
WiFi	Text, Images, Videos, Voice Notes
Group	Mute
Personal	Normal

messenger

- Profile Customization
- Theme
  - Dark Mode
  - Light Mode
- Push Notification
  - Normal
  - Mute
- Conversation
  - Receive
  - Send
- Message
  - Type Of Message
    - Text
    - Images
    - Videos
    - Voice Notes

Legend:
- Mandatory
- Optional
- Or Group
- Abstract Feature
- Concrete Feature

messenger_context

- Status
  - Meeting
  - Driving
  - Free
- Time Of Day
  - Day
  - Night
- Network Type
  - WiFi
  - Mobile Data
- Conversation Type
  - Personal
  - Group

Legend:
- Mandatory
- Optional
- Alternative Group
- Abstract Feature
- Concrete Feature