Product Registration interface spec

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# DEFINITIONS & ABBREVATIONS

|  |  |
| --- | --- |
| API | Application Programming Interface |
| CDP2 | Connected Digital Platforms and Propositions |
| PPR | Philips Product Registration |

# INTRODUCTION

This document provides an overview of public interface APIs for product registration component in Mobile applications.

## Purpose

The purpose of this document is to elaborate on the public APIs used in product registration component which helps mobile applications to integrate.

## Scope

This document covers only public APIs used in product registration. Private APIs and details of classes used is out of scope of this document.

## Target Audience

CDP2 development team.

## Interfaces

### ProductRegistrationDelegate

|  |  |
| --- | --- |
| Property definition | ProductRegistrationDelegate |
| Class name | PPRProductRegistrationHelper |
| Parameters | NA |
| Pre-Condition | NA |
| Brief | This delegate will be used as callback function for communicating product registration events on both success and failure. |
| Error scenarios | NA |
| Callback functions | productRegistrationDidSucceed(product: PPRRegisteredProduct, userProduct: UserWithProducts)  productRegistrationDidFail(product: PPRRegisteredProduct, userProduct: UserWithProducts ) |
| Type | Asynchronous |

### getSignedInUserWithProducts

|  |  |
| --- | --- |
| Function definition | userwithproducts getSignedInUserWithProducts() |
| Class name | PPRProductRegistrationHelper |
| Parameters | NA |
| Pre-Condition | NA |
| Brief | It gives instance of userwithproducts class using currently signed in user. |
| Error scenarios | NA |
| Callback functions | NA |
| Type | Synchronous |

### registerProduct

|  |  |
| --- | --- |
| Function definition | registerProduct(Product product) |
| Class name | UserWithProducts |
| Parameters | product: Information of the product to be registered like CTN, sector, catalog, serial number, date of purchase etc. |
| Pre-Condition | Need to call init API, |
| Brief | This function calls PRX API to register the product with the user who is represented by userwithproducts. It does the following actions:   * validates input against product metadata * Stores product information for offline processing. * Call PRX API to register product by providing product info and access token if internet is available.   The status of the operation is reported to application through call-back. |
| Error scenarios | * Invalid parameter * Network errors * System errors |
| Callback functions | * Success(RegisteredProduct product) * Failure(RegisteredProduct product) |
| Type | Asynchronous |

### getRegisteredProducts

|  |  |
| --- | --- |
| Function definition | getRegisteredProducts(Success success) |
| Class name | UserWithProducts |
| Parameters | None |
| Pre-Condition | None |
| Brief | This function is to fetch the list of registered products from Local cache/remote for current user. It does the following actions:   * It gives stored data in local cache for current user. * It fetches the updated list from remote PRX API call * This list includes the list of products which are registered remotely as well as products stored in local cache. It can differentiated based on the registration states. |
| Error scenarios | * List can be null if there is no product data stored. * Timestamp can be nil, if list is not synced with remote server currently. |
| Callback functions | * Success(listResponse:PPRProductListResponse) |
| Type | Asynchronous |

### sendEmail

|  |  |
| --- | --- |
| Property definition | sendEmail |
| Class name | PPRProduct |
| Parameters | None |
| Pre-Condition | Create PPRProduct object |
| Brief | This property can be set as true or false. If it is set as true, user will receive an email after registering the product. If this is set as false, user will not be able to receive an email after registering the product. |
| Error scenarios | NA |
| Callback functions | NA |
| Type | Synchronous |