**Low Level Design Document**

Language Localization in PreTUPS retailer app:v6.5.0

15/09/2015

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**Revision History**

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# 1 Introduction

## Purpose

1. This document describes the feature of Language Localization in the retailer mobile application. A retailer/channel user, can set or change their default language by selecting a language from the list of supported languages .

## Scope

1. This chapter gives a brief introduction of design of Language Localization in the retailer mobile application.

## Abbreviations, Acronyms & Definitions

|  |  |
| --- | --- |
| EXTGW | External Gateway / System |
| MAPPGW | Mobile Application Gateway |
| HTTP | Hypertext Transfer Protocol |
| API | Application Program Interface |
| XML | Extensible Markup Language |

## Intended Audience

1. Developer
2. Tester
3. Code Reviewer

## References

User story : USTRY37 Retailer APP- Language Localization

# Design Constraints and Considerations

2. List of Tasks on Server Side:
3. List of Task on Client Side:
4. Event List**:**

# Software Architecture

## Physic Task Vs. System Design Unit Process Mapping

## Task List

## Event List

## Database Description

## External Interface Design

# Global Function Description

## Function Description

## Interface

## Global Data Structure Usage

## Processing Logic

## Exception/Error handling

# Software Detailed Design

## Task Description

1) Launch the application from phone.

2) Login page comes up.

3) User enters the mobile number and the pretups pin for login in.

4) Along with this there is a dropdown list of languages, which can be selected as per user's wish.

## Task Type

## Structure Chart

## Database Usage

1. Entries for the a new service type "LANG" in **SERVICE\_TYPE** table and in **SERVICE\_KEYWORDS** table.

## Library Function/ Common Function Used

## Global Data Structure Description

## Call Convention

## Module Specifications

### Module Description

1. Request syntax:
2. TYPE=LANG&EXTNW=NG&IMEI=123456789101112

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | LANG | LANG | 10 | M | Request Type. Static & fixed value |
| EXTNW | External network code | NG | 2 B | M | VARCHAR |
| IMEI | IMEI number | 123456789101112 | 15 | M | NUMERIC |

1. Response syntax:
2. TYPE=LANG&TXNSTATUS==<TXN CODE>&MESSAGE=<Message>

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | LANG | LANG | 10 | M | Response Type. Static & fixed value |
| TXNSTATUS | Request Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

### Module Interface

### Global Data Structure Usage

### Local Data Structure Usage

### Processing Logic

### Exception/Error Handling

## Report Layout and Description

# Software Detailed Design For User Interface Processes

## Menu Hierarchy

## Class Hierarchy Diagram

## Class Description

### Class Name and Type

1. **Java files that are changed:**
2. MobileAppParser.java
3. LanguageController.java (New addition)
4. ExtGWChannelReceiver.java
5. PretupsI.java
6. PretupsErrorCodesI.java
7. Messages.properties

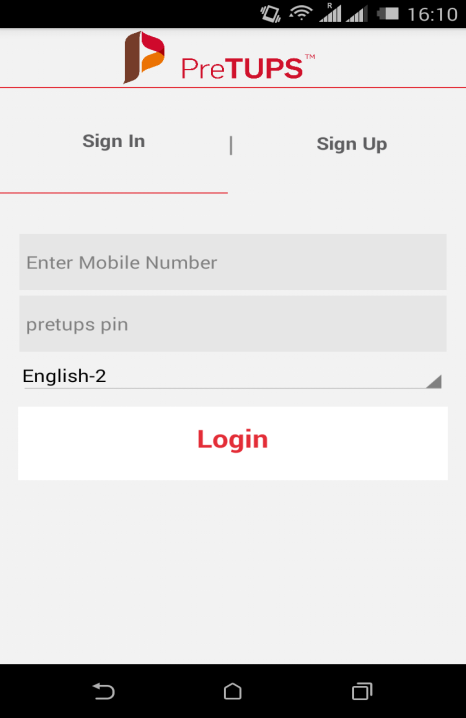
### Description

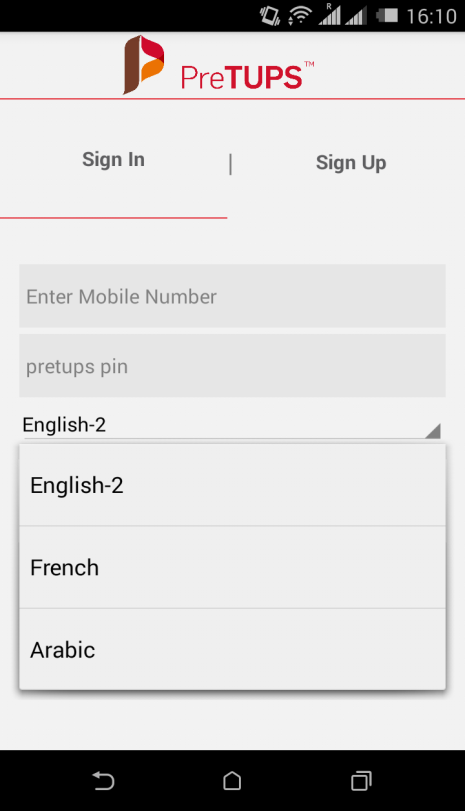
### Member of Class

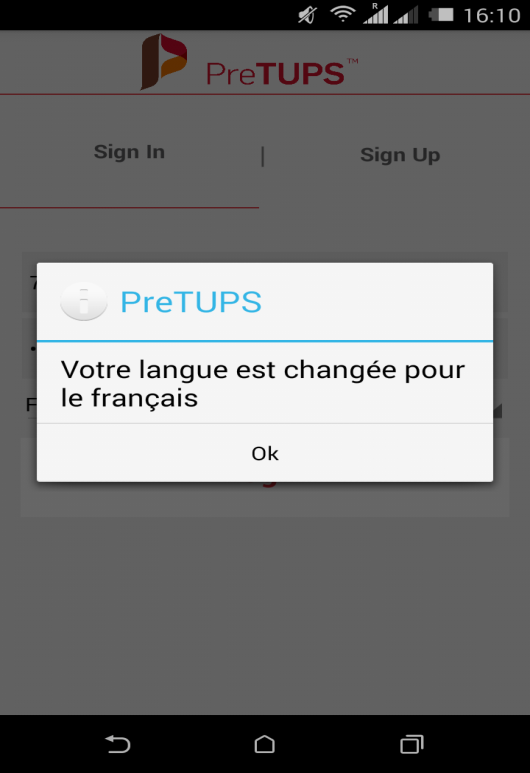
### Dependencies of Class

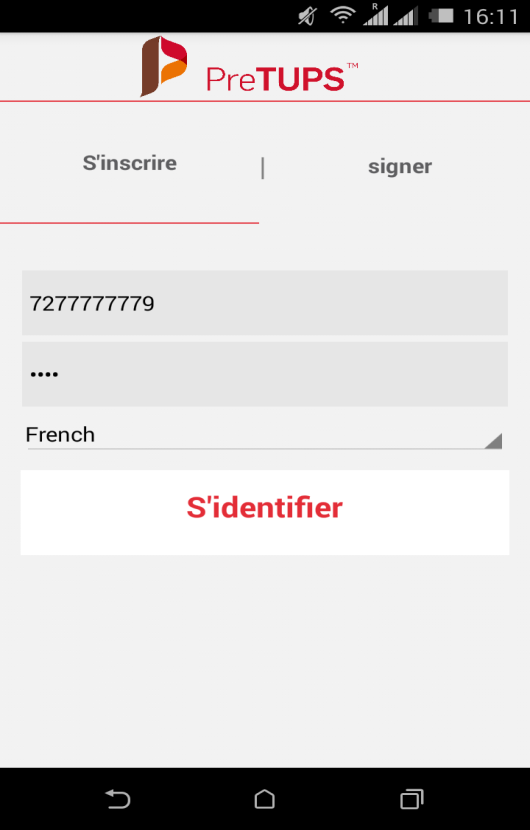
## Task Description

### Screen(s) Layout

1. 







### Screen Item Description



|  |  |  |
| --- | --- | --- |
| 1. ITEM NAME | 1. DATA TYPE | 1. DESCRIPTION |
| 1. MOBILE NUMBER | 1. NUMERIC | 1. User's mobile number . |
| 1. PRETUPS PIN | 1. NUMERIC | 1. 4 digit pin of the user. |
| 1. SELECT LANGUAGE | 1. VARCHAR | 1. Dropdown list of system languages . |
|  |  |  |

### Functions Invoked

### Database Usage

1. Entries for the a new service type "LANG" in **SERVICE\_TYPE** table and in **SERVICE\_KEYWORDS** table..

### Library Function/Common Function Used

### Global Data Structure Description

### Call Convention

### Report Layout and Description

Appendix A – Contact Us

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