**Buyer Home Screen** HomeViewController WebServiceManager ProductViewController CartViewController CreateProfileViewController After login Successfully get shared prefrence and check user details checkDataInSharedPrefrences() [if User details found] checkInternetConnection() [if Connected] alt Get discounted products getDiscountedProduct() sendResponse() checkResponse() [if Valid Response] Display Discounted Products showDataInViewFlipper() [Invalid Response] showErrorMessage() show error message [Not Connected] showErrorMessage() Show no internet message Fetching Category list checkInternetConnection() alt [if Connected] getCategorylist() sendResponse() checkResponse() [if Valid Response] Display Categories showDataInUI() When user click on any category navigate user to Product Screen Send Category In Intent naviagteUserToProductScreen() [Invaild Response] showErrorMessage() Show error message [Not Connected] showErrorMessage() Show no internet message Fetching Recent Updated Products checkInternetConnection() [if Connected] getRecentUpdates() sendResponse() checkResponse() [if Valid Response] Display Recent Products showDataInUI() [Invalid Response] showErrorMessage() Show Error message [Not Connected] showErrorMessage() Show no internet message Search Product by name checkInternetConnection() [if Connected] getProductList() sendResponse() checkResponse() [if Valid Response] populateDataInUI() [Invalid Response] showErrorMessage() Show error message [Not Connected] showErrorMessage() Show no internet message When user click on cart icon navigateUserToCartScreen() [User details not found] User not exist Navigate user to Create Profile Screen navigateUserToCreateProfileScreen()

CreateProfileViewController

ProductViewController

WebServiceManager

HomeViewController

CartViewController