

Pega's University Program



Canteen automation (Use Case)

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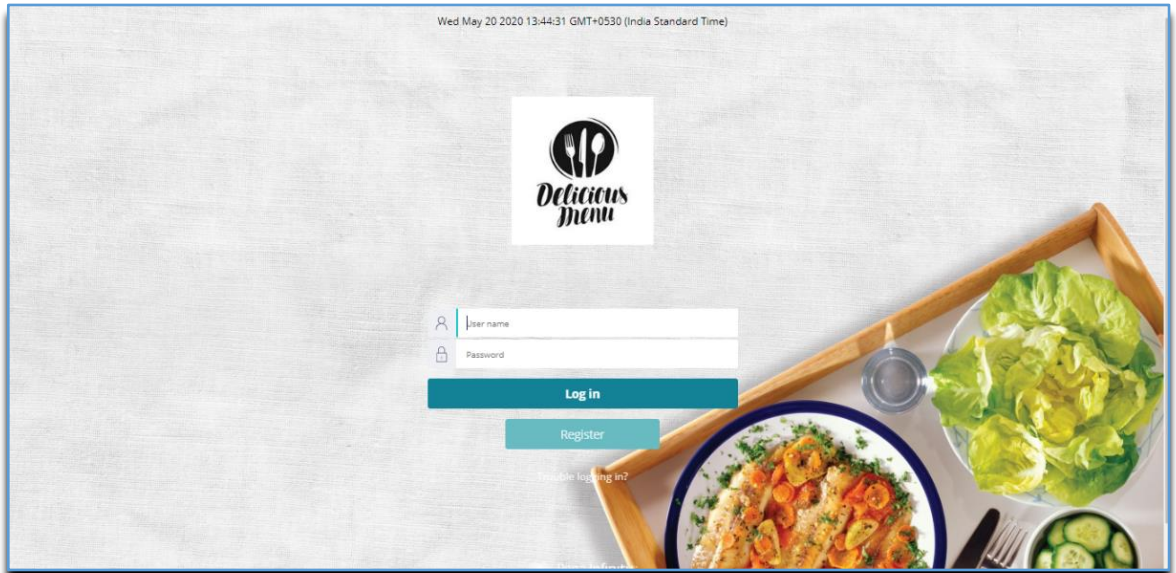
Document Name: 24_Canteen_Automation
Date: 05.06.2020

Table of Contents

Contents

1	Canteen automation -10 Hrs	4
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1 Canteen automation – 10 Hours

Use Case ID:	UC - 24	Version	2.0
Name of use case	Automate the Canteen in your School/College/University		
Platform Details	Pega 8.4	Time for completion	10 – 12 Hours
Created By:	Srikanth T	Last Updated By:	Sarada Satapathy
Date Created:	20-05-2020	Last Revision Date:	30-12-2020
Description	<p>The School/College/University is planning to automate their respective canteen. The ROI is that the queue in the canteen should be reduced by 70% and the food wastage should be reduced by 80%. A user should be able to register himself/herself to the portal. The institution along with food vendor is planning to provide set meal (Amount of food required for any human being). Exception can be there. The vendor should be able to publish the breakfast and Lunch menu every day. Students should be able to choose their breakfast and Lunch options during the travel to the college. The student receives a barcode. The barcode should be scanned at the canteen reception and food is available. Payment can be done using all types of new payment systems available with the vendor. Payment should ideally be done during the booking. If at all payment system is not working cash payment option should be available during the booking. Month wise report to check whether ROI is met.</p> <p>Enhancement:</p> <ol style="list-style-type: none"> 1. Food Cancellation – Student can cancel their food order. As per the cancellation policy, if the food is cancelled Student will receive only 50% of the amount paid as the refund. 2. Apply Duplicate case to find if the same student on the same date applies for the food order. 3. Bulk Order for Events at the college – In case if there is any event at the college, the Student Representative can book the order by paying 75 % of the amount. After the food is delivered the remaining amount has to be paid. In case if the event is cancelled due to some reasons, there is no refund provided. <p>Add reports to check the cancelled orders and the refund details</p>		
Actors	Student, Vendor manager		
UI Mock up	<p>(Login screen should be modified with at least background, logo, Register/SignUp button)</p> 		

Registration form

Email ID / User ID	<input type="text"/>
Password	<input type="password"/>
Consumer Name	<input type="text"/>

Vendor should add/upload food item details.

Menu for *

☒ Break fast ☐ Lunch

Item Code *

Name *

Item Category *

☒ Veg ☐ Non-Veg







Price *

Add Image

Filename

Student can order food by selecting the food items.



☒ Break fast ☐ Lunch

	Name Idly Price \$100.00		Name Wada Price \$100.00		Name Idly Wada Price \$150.00
<input type="button" value="Add to Cart"/>		<input type="button" value="Add to Cart"/>		<input type="button" value="Add to Cart"/>	
	Name Panner sandwich Price \$100.00		Name Dosa Price \$130.00		Name Chole bhatura Price \$120.00
<input type="button" value="Add to Cart"/>		<input type="button" value="Add to Cart"/>		<input type="button" value="Add to Cart"/>	

☐ Break fast ☒ Lunch

	Name Chicken Biryani Price \$350.00		Name Veg Biryani Price \$300.00		Name Veg meals Price \$200.00
Add to Cart		Add to Cart		Add to Cart	

Cart

		Name	Price	Qty	Total
1		Dosa	\$130.00	<input type="text" value="1"/>	\$130.00
2		Veg meals	\$200.00	<input type="text" value="2"/>	\$400.00

Payment

Select payment method *	CardNumber *
<input checked="" type="radio"/> Credit card	<input type="text"/>
<input type="radio"/> Debit card	
<input type="radio"/> Netbanking	Name on the card *
<input type="radio"/> UPI	<input type="text"/>
<input type="radio"/> Cash	Month * Year * CW *
	<input type="text" value="12"/> <input type="text" value="2030"/> <input type="text" value="***"/>

	<div data-bbox="304 192 1445 562"> <p>Select payment method *</p> <p><input type="radio"/> Credit card</p> <p><input type="radio"/> Debit card</p> <p><input checked="" type="radio"/> Netbanking</p> <p><input type="radio"/> UPI</p> <p><input type="radio"/> Cash</p> <div data-bbox="847 241 1034 450">  </div> <div data-bbox="1094 255 1278 439">  </div> </div> <p>Display QR code (Vendor will scan the QR Code to get the order details)</p> <div data-bbox="296 719 544 981">  </div>
Preconditions	Modified Login screen to be visible to login to the system. Upon authentication a screen should be visible where the User Registration button need to be visible. The case need not be created at this time.
Post conditions	<ol style="list-style-type: none"> 1. Food item details has to be stored on the local data storage, once the vendor provides the details. 2. While student places the order, selected food items should be displayed on the cart. 3. QRCode should be generated, once the payment process is complete.
Flow	<div data-bbox="323 1305 1501 1473">  </div> <p>Add Food Items</p> <ol style="list-style-type: none"> 1. Vendor will log into the application 2. Will add food details with item image 3. Food details should be stored in the local data storage <p>Order food</p> <div data-bbox="296 1720 1493 1809">  </div> <ol style="list-style-type: none"> 1. Student will Register and logs into the application 2. Select Breakfast or/and lunch items 3. Will see the food items in the cart 4. Will perform payment 5. Student should receive an acknowledgement (transaction number along with a QR code)
Alternate Flows:	N/A

Exceptions	N/A
Additional Requirements	<ol style="list-style-type: none"> 1. Student should have a chance to cancel the order. 2. Order date should be captured. 3. Important fields should be displayed as required on the UI screen 4. Validations should be implemented on the required fields. 5. Respective fields should hold the respective values/formats 6. Generate a transaction number for each order for further use. 7. Vendor should generate monthly report for further analysis.
Notes and Issues	
Delegation	
Acceptance Criteria Functional Testing	
Reference	<p>QR Code https://community1.pega.com/community/pega-product-support/question/how-can-i-put-qr-code-print-reportexcel-or-pdf</p> <p>Zing jar file https://repo1.maven.org/maven2/com/google/zxing/core/2.2/core-2.2.jar</p> <p>Login screen customization https://community.pega.com/knowledgebase/articles/customizing-pega-7-login-screen</p>