

# Final Exercise

# Task description

- In this task, you have to develop online shop for electronic products:  
Cell phones & PC

# Url's

- <https://mywebsite.com/sign-in>
- <https://mywebsite.com/sign-up>
- <https://mywebsite.com/reset-password>
- <https://mywebsite.com/dashboard> //automatically redirect if remember me is on

# Log-in



Welcome Back!

Enter Email Address...

Password

☐ Remember Me



I'm not a robot



Login

[Forgot Password?](#)

[Create an Account!](#)

# Create Account



Create an Account!

First Name


Last Name

Email Address

Password

Repeat Password

Have a Promo Code

☐ I'm not a robot 

Register Account

[Forgot Password?](#)

[Already have an account? Login!](#)

Welcome mail is sent with encrypted link. Once click on link, account is created in DB.

1. Add message to user that mail was sent. Please check your mail address.
2. Password & Repeat password should match. Show message to user if doesn't match
3. Password in DB should be encrypted.

# DB Structure

Table: Users

	Required	rules	example
First name	Yes	Only letters. Min. 1 letter	myName
Last name	yes	Only letters. Min. 1 letter	myLastName
email	Same as in log-in		
password	Same as in log-in	At least 6 characters long & at least 1 number	abcdef1
Repeat password	Match password		
Promo code	no	Verification against db table: PromoCode	

Table: PromoCode

ID [Unique. PK]	PromoCode [Text]	Description [Text]
1	3XCRt	10% discount
2	4DFG	My desc.
3	6DSQW	My new description.

# Table: Users

Field Name	Type
ID [Unique, Primary Key]	Long long int
Name	Text
FamilyName	Text
Email	Text
PromoCode	Text
PhoneNumber	Text
Country	Text
City	Text
Street	Text
ZipCode	Text
Password	Text //in encrypted form
Spare1	Text
Spare2	Text
Spare3	Int
Spare4	Int

**Important: Password in DB should be encrypted.**

# Forget password



## Forgot Your Password?

We get it, stuff happens. Just enter your email address below and we'll send you a link to reset your password!

Reset Password

[Create an Account!](#)

[Already have an account? Login!](#)

New encrypted link is sent to user. User clicks and redirected to new screen with password & confirm password fields. Add Captcha [not in the screenshot, but should be added]. If Captcha is not filled, reset password is disabled.



# Update password



Update Password!

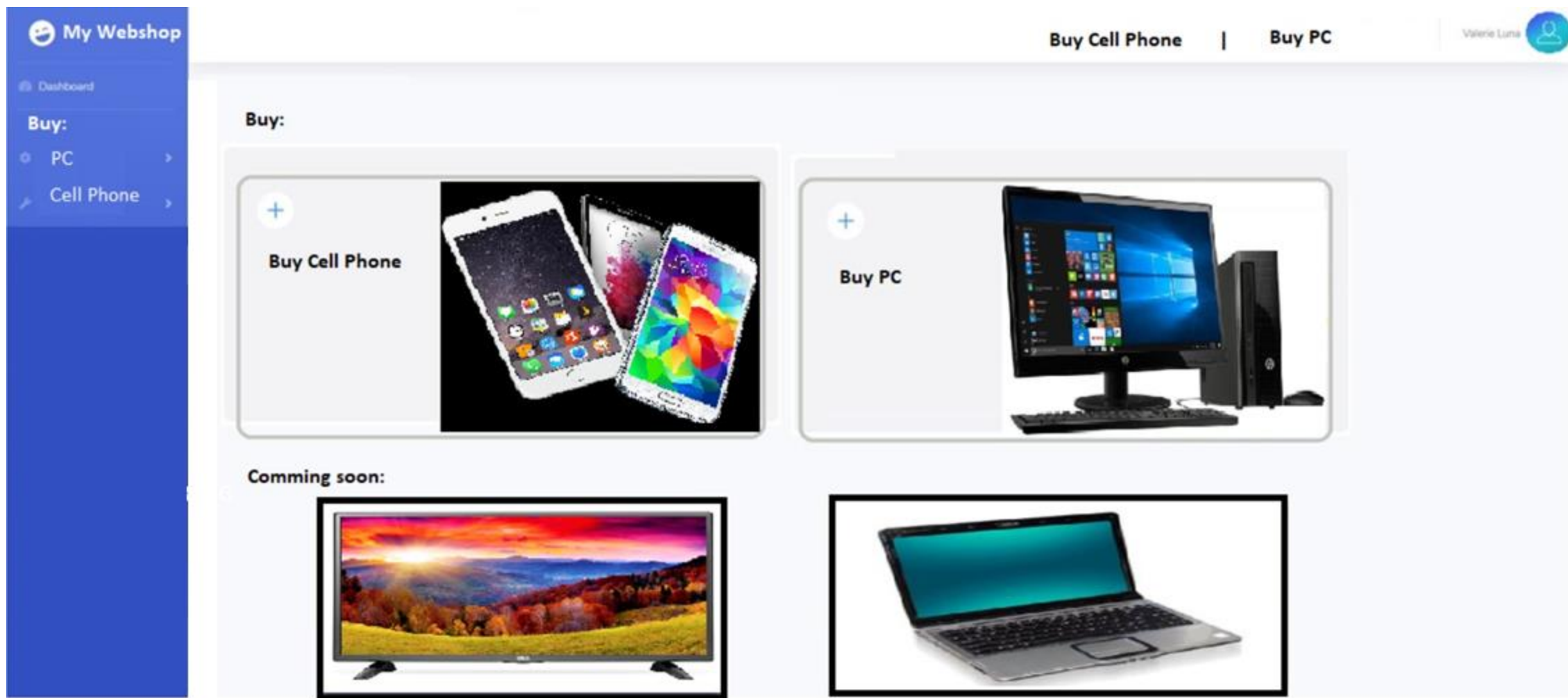
Password

Repeat Password

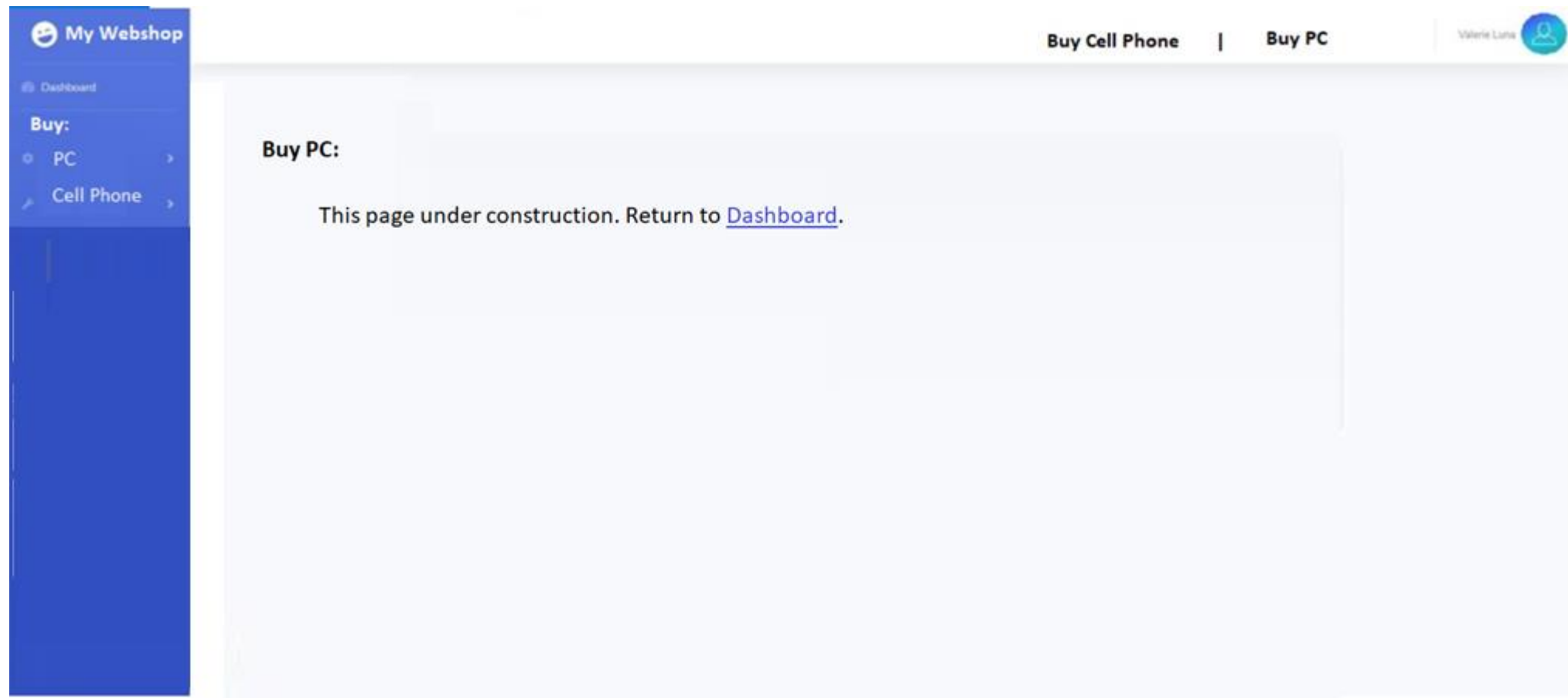
Update Password

1. Verification that both fields are equals
2. Password match rules
3. Email with confirmation about password was changed is sent
4. In case of error, informative message appears to user

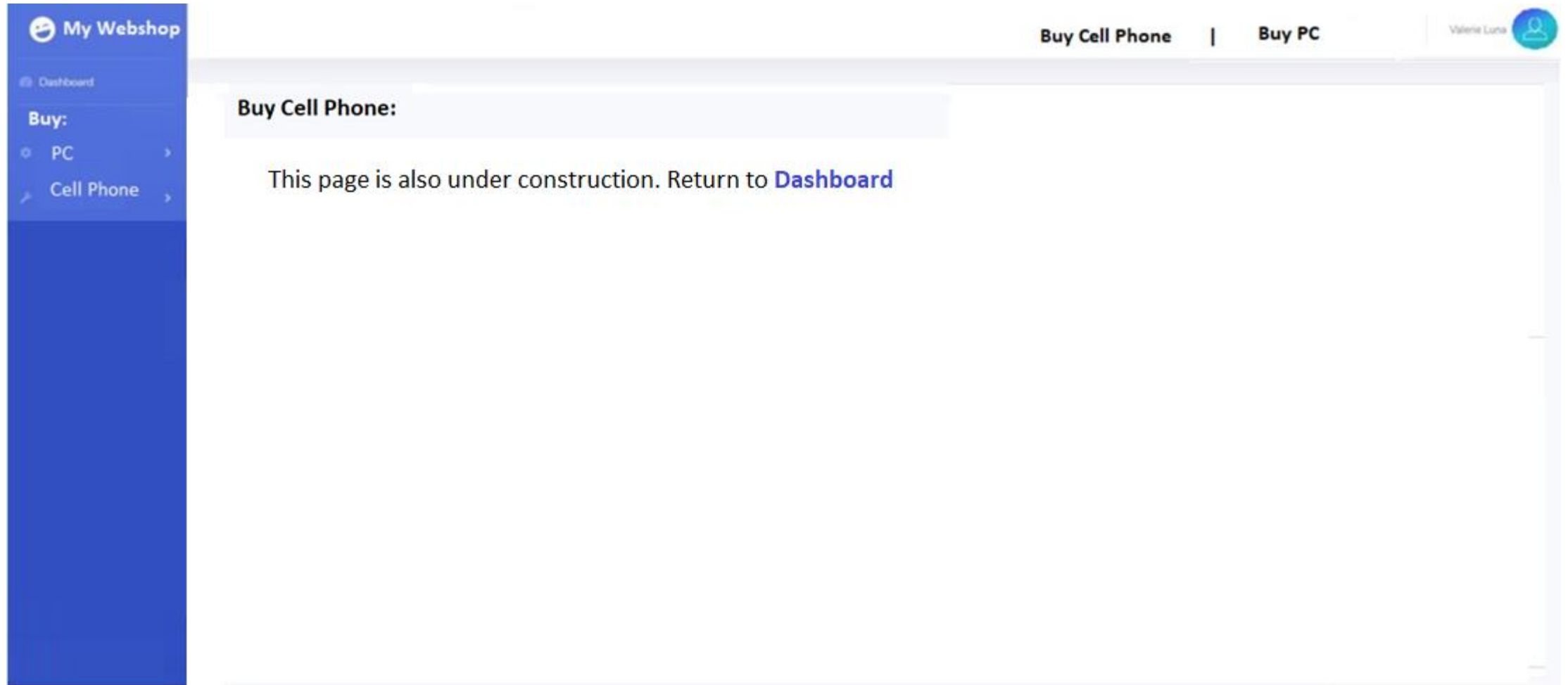
# Dashboard



# Buy PC



# Buy Cell Phone

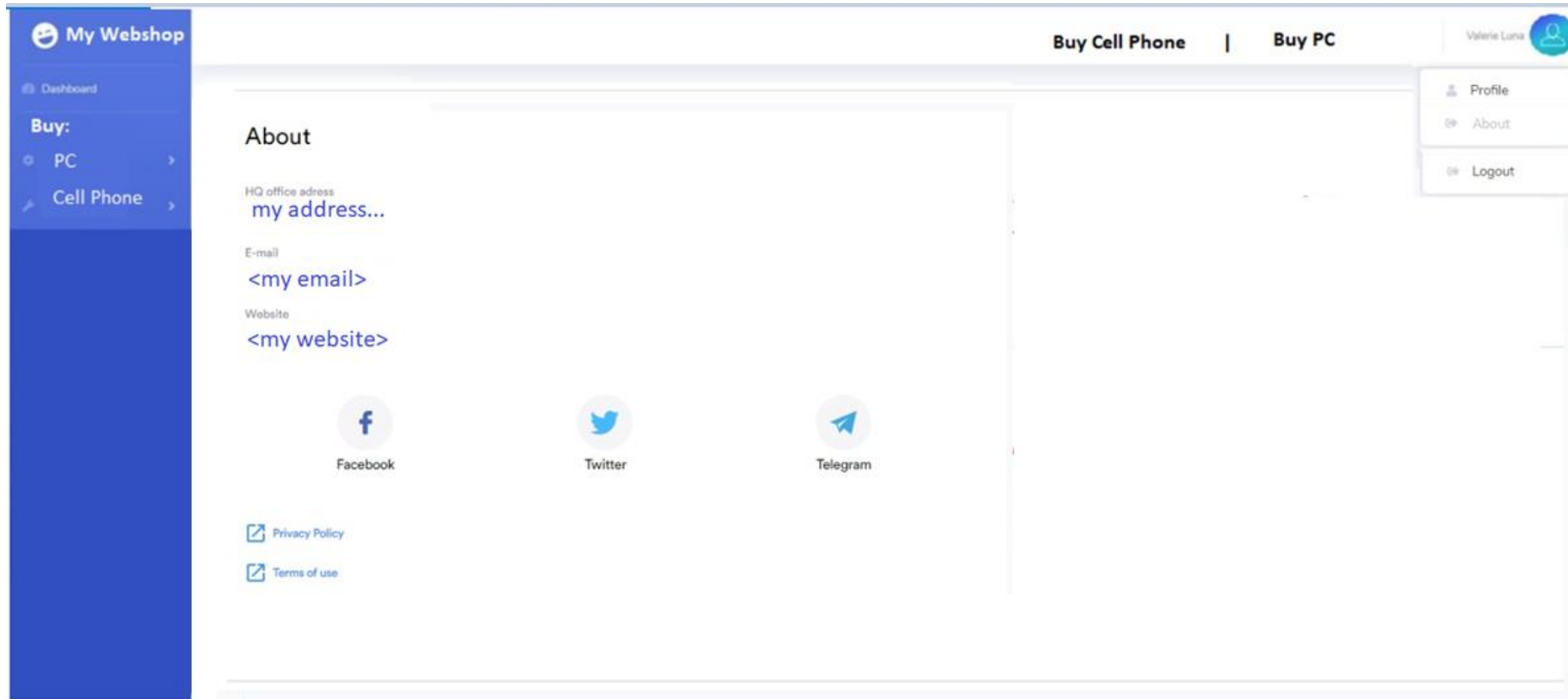


# Profile details

The screenshot displays a web application interface for 'My Webshop'. On the left is a blue sidebar with a 'Dashboard' link and a 'Buy:' section containing 'PC' and 'Cell Phone' links. The main content area is divided into two sections. The top section, titled 'Profile details', contains a form with fields for First name, Last name, Phone number (pre-filled with '+972-545-9238728'), Country (pre-filled with 'IL'), E-mail (pre-filled with 'myemail@gmail.com'), City, Street, and Zip code. An 'Update' button is located at the bottom right of this section. The bottom section, titled 'Change password', contains three input fields: 'Old password' (pre-filled with '4545'), 'New password' (masked with dots), and 'Confirm password' (masked with dots and featuring an eye icon for toggling visibility). To the right of these fields are three validation messages: a red 'X' indicating 'Passwords must match', a green checkmark indicating 'The password must contain at least one number', and a red 'X' indicating 'The password must be at least 6 characters long'. A 'Change password' button is positioned at the bottom of this section. In the top right corner, there is a user profile header for 'Valerie Luna' with a dropdown menu containing 'Profile', 'About', and 'Logout' options. Navigation links 'Buy Cell Phone' and 'Buy PC' are also present in the top right.

- \* If email was changed, verification with encrypted link is sent to user and user must accept it.
- \* Profile fields are updated similar to change password style.
- \* If data for any field exist, only update is available. User cannot erase it.

# About



- \* Click on Privacy Policy & Terms of Use opens PDF file
- \* Facebook, Twitter & Telegrams are links
- \* Email & website are also links

# Technologies Required

- Client: HTML5, CSS, JavaScript, Bootstrap
- Server: Node.js
- DB: PostgreSQL or MySQL

# General Guidelines

- Your application should run perfectly on any device (PC, cell phone, tablet, etc.). Bootstrap
- Design style in all pages should be similar. You may use your already prepared pages or use the template which is on the next page.
- Message Box shouldn't be regular msgbox() to user. Make it inline or good looking pop-up message box.
- Log-in with reCaptcha should work.
- You may change the design, but the design should be as appealing as possible.
- All code, client, server & DB should work locally as well. You need to send me the code with word document with instructions & screenshots how to run it. (include the DB)



# Links for reference

- Your UI[user interface] should be based on already prepared sample:

<https://startbootstrap.com/themes/sb-admin-2/>

- Your server may use this template for quickly get started:

<https://github.com/braitsch/node-login>

Other useful link:

- <http://coding-karma.com/2017/08/12/creating-login-registration-using-nodejs-mysql/>

# Use case examples

- User do the registration, receive email with confirmation, approve the request and log-in to dashboard.
- User forgot his password and use the recovery option.
- User register & log-in with his account
- User log-in to system, view his profile & change his private data. Data is saved in DB.

# Invalid use case examples

- On log-in, incorrect user\password. Message to user.
- User is not registered or captcha was not approved. Message to user.
- User make incorrect action, or load illegal page -> error 404 (page not found). exist in <https://startbootstrap.com/themes/sb-admin-2/> -> pages -> 404 page. Example:

