

The Boutique (E-commerce)

Abstract

In this era of internet, e-commerce is growing by leaps and bounds keeping the growth of brick-and-mortar businesses in the dust. Boutique is an e-commerce webpp which provides best facilities to the customers to buy things online by their homes on just one click.

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1. Introduction

1.1. Brief Introduction

The idea is to make a system to enable colleagues and staff to communicate with each other within the organisation.

This would be a web application

- User will be able to register
- User will be able to send text message
- User will be able to send voice message

1.2. Problem Statement

The current system in the organization is not able to send voice messages and also require too many configurations for setting. This system enables users to send voice messages and also this system does not require too many configurations for the setup.

2. Requirements Elicitation

2.1. Functional Requirements

2.1.1. FR-01 Signup

FR-01.1	The system shall display a signup screen to the user.
FR-01.2	The system shall enable users to enter their full name, email, password and confirm password in the signup screen.
FR-01.3	The system shall display an error message "Fill the required field" in case of any missing field.
FR-01.4	The system shall display an error message "Password must be 8 characters or more" in case of password less than 8 characters.
FR-01.5	The system shall display the home screen after successful registration.
FR-01.6	If a user is already registered in the system then redirect the user to the login screen.

2.1.2. FR-02 Login

FR-02.1	The system shall display a login screen to the user.
FR-02.2	The system shall enable users to enter their email and password.
FR-02.3	The system shall display the home screen to the user after successful login.
FR-02.4	The system shall make user sessions on successful login.

FR-02.5	If a user record is not found the system redirects the user to the register screen.
FR-02.6	The system shall display an error message "Credential not match" in case of wrong credentials.

2.2. Non Functional Requirements

2.2.1. NFR-01 Usability

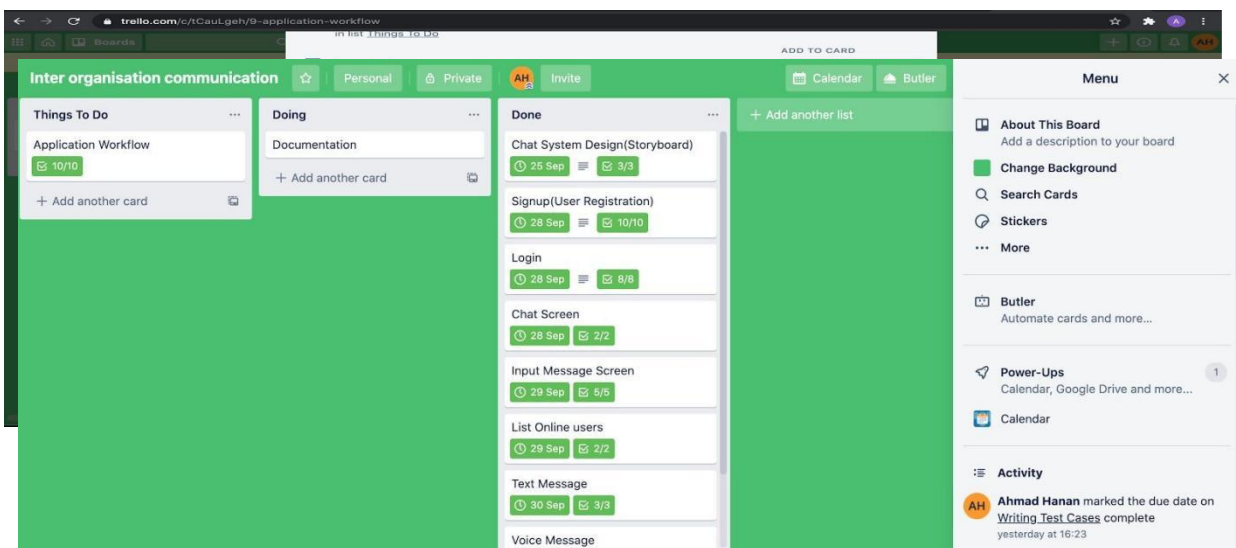
NFR-01.1	The system shall be responsive according to all screen sizes.
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2.2.2. NFR-02 Portability

NFR-02.1	The system shall be use on all major browsers
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3.

Workflow



4. Test Cases

4.1. Test Case for registration

Test Case ID		TID-001			
Test Case Name		Registration			
Test Case Description		Verify registration functionality with valid and invalid data			
Test Designed By		SohaibAshraf	Test Executed By	Sohaib Ashraf	
Test Designed Date		12/1/2021	Test Execution Date	12 /1/2021	
Pre-Condition		User should be on signup page			
No	Actions	Test Data	Expected Result	Actual Result	Status
1	User enter full name in the name field	name="Sohaib Ashraf"	Valid Data	Valid Data	Pass
		name="sohaibashraf"	name can contain characters only	name can contain characters only	Pass
		name=""	name cannot be empty	name cannot be empty	Pass
2	User enter email in the email field	email="sohaibashraf@gmail.com"	Valid Data	Valid Data	Pass
		email="gg@.com "	Email must contain @	Email must contain @	Pass
		email=""	Email cannot be empty	Email cannot be empty	Pass
3	User enter password in the password field	password="Sohaib123456"	Valid Data	Valid Data	Pass
		password=""	Must be 8 or more characters	Must be 8 or more characters	Pass
		password=""	Password cannot be empty	Password cannot be empty	Pass
4	User enter	Confirm	Valid Data	Valid Data	Pass

	password in the confirm password field	Password="abcd1234"			
		password="d"	Password must be same	Password must be same	Pass
5	After entering all the fields User click on Signup Button	name="Sohaib" email="a@gmail.com" password="abcd1234" Confirm password="abcd1234"	User successfully registered	User successfully registered	Pass
Post-Condition		User navigate to login screen			

4.2. Test Case for login


Test Case ID		TID-002			
Test Case Name		Login			
Test Case Description		Verify login functionality with valid and invalid data			
Test Designed By		Sohaib Ashraf	Test Executed By	Sohaib Ashraf	
Test Designed Date		12/1/2021	Test Execution Date	12/1/2021	
Pre-Condition		User must be registered in the system before login			
No	Actions	Test Data	Expected Result	Actual Result	Status
1	User enter email in the email field	email="a@gmail.com"	Valid Data	Valid Data	Pass
		email="ag.com"	Email must contain @	Email must contain @	Pass
		email=""	Email cannot be empty	Email cannot be empty	Pass
2	User enter	password="	Valid Data	Valid Data	Pass


	password in the password field	abcd1234"			
		password=""	Password cannot be empty	Password cannot be empty	Pass
3	After entering all the fields User click on login button	email="a@gm ail.com" password="abcd1234"	User successfully login	User successfully login	Pass
Post-Condition		User navigate to chat screen and session is stored			


5. User Interface

5.1. Login

Login here

 Username


 Password


 LOGIN


Don't have an account ? [Click here](#)


5.2. Signup


Sign Up


 firstname

 lastname


 email

 username


 password


 phone number


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


 SIGNUP


Sign Up


 firstname
Name is required

 lastname
Name is required


 email
Email Address is required

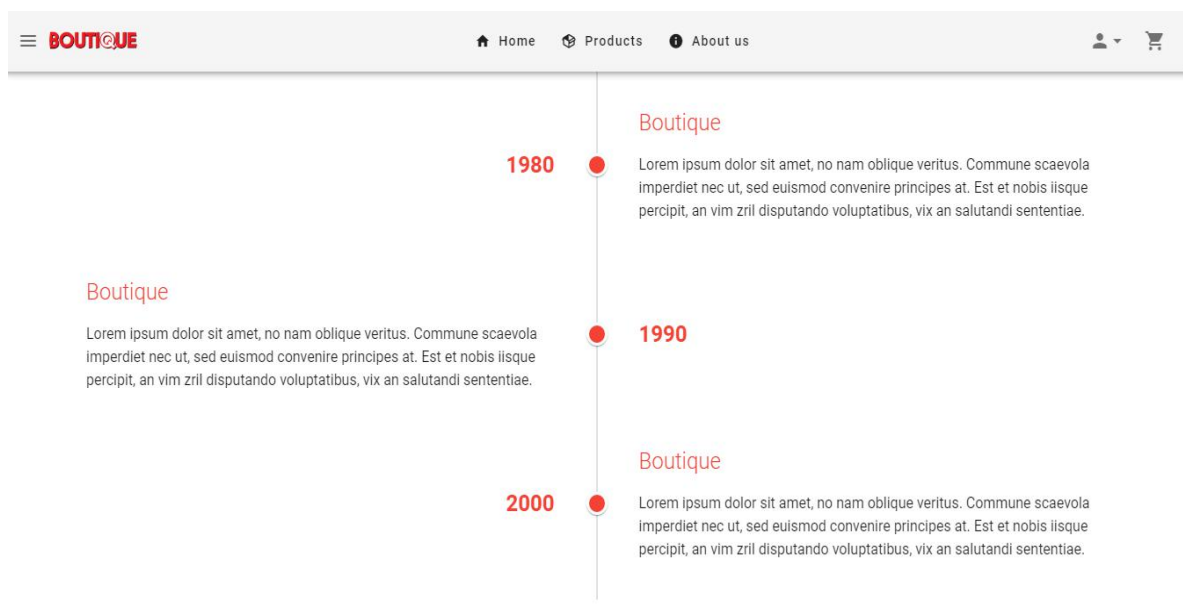
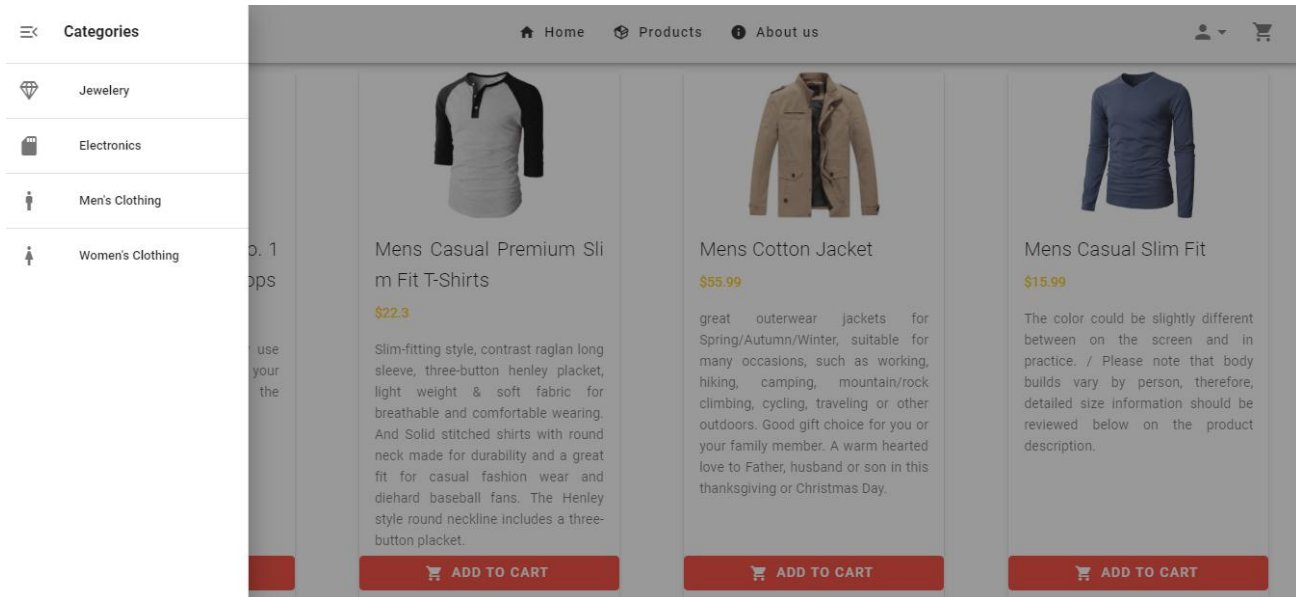
 username
Username is required

 password
Password is required

 phone number
Phone Number is required

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

 SIGNUP





6. Conclusion

6.1. Lessons learned and problems faced

While developing this project we have faced a lot of problems because of limitations of front end only. Actually we are saving audio as blob in local storage but while retrieving chrome throws security error or fails to load local resource. But this project helped a lot in learning about JS specially local storage, session storage, and media stream api.

6.2. Future Work

In future we will make this system more professional by providing following features

- Online delivery
- Chat with retailers
- Text decoration

7. Tools & Technologies

We use following tools and technologies in this project

- HTML
- CSS
- BOOTSTRAP
- JAVASCRIPT
- VUE JS
- Visual Studio
- Vuetify