PROJECT REPORT

ON

House Rental Related Website

Project Name: Bashakhali.com

Course Name: Web Development Project
Course Code : 66654
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GROUP DETAILS

Group Name: TECH SKECHERS
Project Name: Bashakhali.com

Members:

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CONTENTS

INTRODUCTION

Bashakhali.com is the digital platform for a rental property in Digital Bangladesh. Our platform is easier and smarter. You can find flat rents in Bangladesh, sublet rents in Bangladesh, seat rents in Bangladesh including all sorts of rents like Bachelor rents, family flat rents, small family flat rents, rents for male students, rents for female students, rent for jobholders, and others.

Bashakhali, a digital rental platform, is working as a part in building Bangladesh. Every day thousand of people walk in the sun and walk to find the desired home. The house shifting platform is constantly working to solve this problem. Bahsakhali Platform is committed to improving the quality of service.

Bashakhali.com website and rental mobile application ensure you the easiest way to find any kinds of property rent in Bangladesh in a few mins.

Software Development Life Cycle or SDLC

A organized technique known as the SDLC (Software Development Life Cycle) is used in software development to direct the process of designing, developing, testing, and maintaining software systems. It includes a number of stages and tasks that give project teams and software engineers the ability to efficiently manage the full software development process.

There are numerous SDLC models, each with unique advantages and disadvantages, including:

Waterfall Model: The waterfall model is a sequential model in which each stage of the SDLC must be finished before moving on to the next. For projects with clearly defined requirements and a set deadline, this strategy works best.

Iterative Model: In an iterative model, each stage of the software development life cycle is repeated numerous times until the requirements are satisfied. The projects with the most complicated or shifting requirements should use this paradigm.
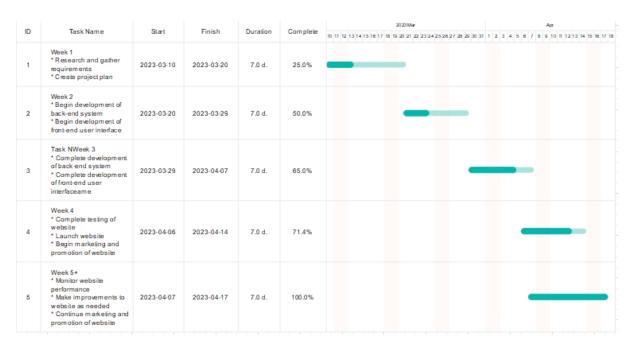
Spiral Model: Planning, design, building, and testing are all included in each phase of the SDLC in the spiral model, which is a risk-driven framework. For projects with a lot of uncertainty, this model works well.

Agile Model: In an iterative and incremental model known as agile, requirements are gathered and then quickly put into practice. Projects with frequently changing needs or those

where the customer participates in the development process are best suited for this strategy.

The **"Waterfall Model"** was selected for the development of the **Bahsakhali.com** platform because to its sequential design and adaptability for projects with clear criteria. This approach made it possible for an organized and logical development process, ensuring that each phase was finished before moving on to the next. It provided a clear roadmap, lessened the risk of scope creep, and improved project management.

The details of the SDLC Waterfall Model for our **Bashakhali.com** website are as follows:

ID	Task Name	Start	Finish	Duration	Complete
1	Week 1 * Research and gather requirements * Create project plan	2023-03-10	2023-03-20	7.0 d.	25.0%
2	Week 2 * Begin development of back-end system * Begin development of front-end user interface	2023-03-20	2023-03-29	7.0 d.	50.0%
3	Task NWeek 3 * Complete development of back-end system * Complete development of front-end user interfaceame	2023-03-29	2023-04-07	7.0 d.	65.0%
4	Week 4 * Complete testing of website * Launch website * Begin marketing and promotion of website	2023-04-06	2023-04-14	7.0 d.	71.4%
5	Week 5+ * Monitor website performance * Make improvements to website as needed * Continue marketing and promotion of website	2023-04-07	2023-04-17	7.0 d.	100.0%

Project Gantt Chart

Requirement Gathering:

These are the core Requirement of our **Bahsakhali.com**:

- Users should be able to search for houses by location, price, and other criteria.
- Users should be able to view detailed information about each house, including photos, a floor plan, and a description.
- Users should be able to contact the owner of a house to inquire about renting it.
- The website should be secure and user-friendly.
- The website should be mobile-friendly.

System Design

Once the requirements have been gathered, the next step is to analyze them and identify the system's components. This includes identifying the different modules, data entities, and processes.

The following are some of the key components of **Bahsakhali.com:**

- User interface: The user interface is the part of the system that users interact with. It should be easy to use and understand.
- Back-end systems: The back-end systems are the parts of the system that are not visible to users. They handle tasks such as data storage, processing, and security.
- Database: For database we use MySQL which is an Oracle relational database management system (RDBMS) based on structured query language (SQL). A database is a well-organized collection of data.

Project ER Diagram

Development

Here are some of the key considerations for the development part of SDLC for our **Bashakhali.com:**

- Security: The website must be secure to protect the data of users and landlords.
- Scalability: The website must be scalable to handle the increasing number of users and listings.
- Reliability: The website must be reliable to ensure that users can access it at all times.
- Performance: The website must perform well to provide a good user experience.
- Usability: The website must be easy to use for both users and landlords.

Here are some of the tools and technologies that can be used

for the development part of SDLC for our Website:

- Programming languages: HTML, CSS, JAVASCRIPT, PHP
- Database management systems: MySQL,
- Web servers: XAMPP

Testing

The testing phase is where the system is tested to ensure that it meets the requirements. This includes unit testing, integration testing, and system testing.

The following are some of the key testing considerations for **Bashakhali.com**:

- Unit testing: Unit testing is the process of testing individual units of code.
- Integration testing: Integration testing is the process of testing how different units of code interact with each other.
- System testing: System testing is the process of testing the entire system to ensure that it meets the requirements.

Deployment

The deployment phase is where the system is made available to users. This includes making the system available on a web server and configuring it for use.

The following are some of the key deployment considerations for **Bashakhali.com**

- Web server: The system should be deployed on a web

server that is reliable and secure.
- Configuration: The system should be configured for use in a way that is efficient and secure.

Maintenance

The maintenance phase is where the system is maintained to ensure that it continues to meet the requirements. This includes fixing bugs, adding new features, and improving the system's performance.

TECHNOLOGIES USED

HTML

HTML (HyperText Markup Language) is the most basic building block of the Web. It defines the meaning and structure of web content. Other technologies besides HTML are generally used to describe a web page's appearance/presentation (CSS) or functionality/behavior (JavaScript)

CSS

Cascading Style Sheets (CSS) is a stylesheet language used to describe the presentation of a document written in HTML or XML (including XML dialects such as SVG, MathML or XHTML). CSS describes how elements should be rendered on screen, on paper, in speech, or on other media.

JAVASCRIPT

JavaScript (JS) is a lightweight, interpreted, or just-in-time compiled programming language with first-class functions. While it is most well-known as the scripting language for Web pages, many non-browser environments also use it, such as Node.js, Apache CouchDB and Adobe Acrobat.

PHP

PHP is a server side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites. It is integrated with a number of popular databases, including MySQL, PostgreSQL, Oracle, Sybase, Informix, and Microsoft SQL Server.

Short Description

Bashakhali.com is the digital platform for a rental property in Digital Bangladesh.

Convenience

For Rent Seekers:

If you are looking for home rentals in Bangladesh then this is the right place where thousands of rents are available for you. Just install our app and search for your desired rents by location, number of bedrooms, number of washrooms, rent price, and many more advanced searching options.

You can create your favorite list of rents. Also, you can share rents with your friends and family by SMS through any other platform like social network, Email, etc, You can communicate directly to the advertiser of your favorite rent through our app.

networks.

For

Advertisers

Reach thousands of people by posting your rent here quickly. Posting of rent is absolutely free of cost. Just need a few taps to

post your free rent in Bashakhali.com Instantly your rent will be live among thousands of our registered users who are looking for rents in Bangladesh.

Home Page

We attempted to create a very simple user interface so that users could quickly navigate anywhere. Users can view our most popular products from the home page. House rent is organized into categories. They will locate their ideal property by selecting the appropriate category. You may quickly find the desired house by using the search bar. And, with the help of the home page's navigation bar, the user may quickly execute his specialized activities. Scroll down to the FAQ section on the home page.

Home Page's Layout-

Home page's Code:

About Page

Our website's About Us page is a crucial resource for anyone interested in learning more about our services. The About Us pages highlight our services, our goals, and our team members, among other things.About Page's Layout-
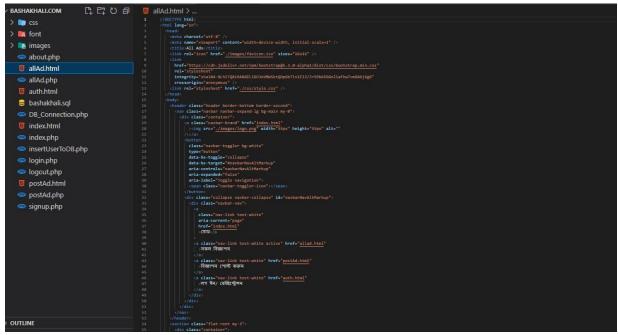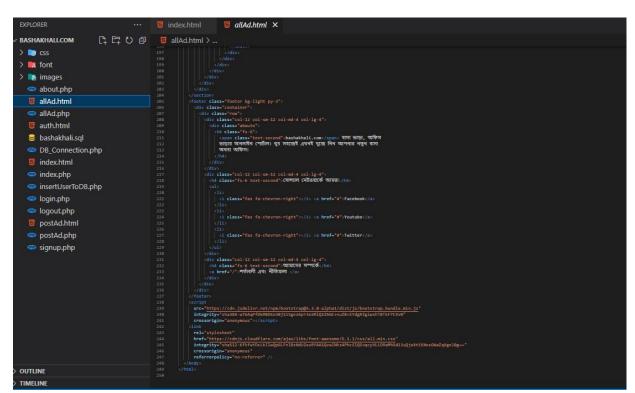
About page's Code:

All Ads Page

On this page, you can see all of the commercials together. If the user so desires, he can utilize this page to locate the residence of his choice. Furthermore, any new advertisement will be instantly linked to this page.

All Ads Page's Layout

All Ads page's Code:
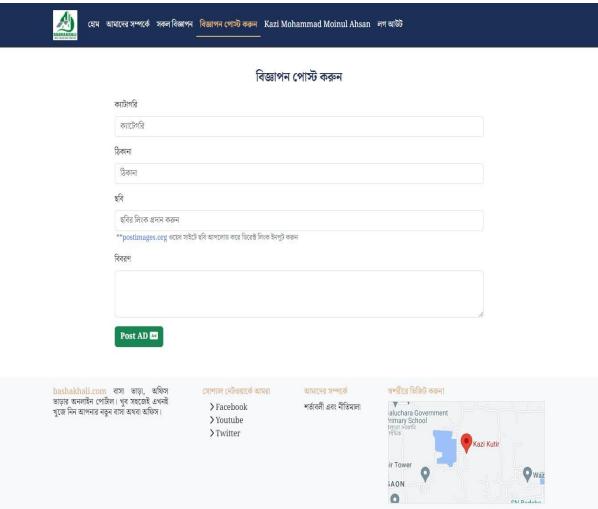
Create Post

The individual who will rent the house can use this page to fill out the required sections and post his unoccupied house as an advertisement for rent. The post will be added to the database.

Create Post Page's Layout

All Ads page's Code:

Registration

A signup page (also known as a registration page) allows individuals and organizations to independently register and receive access to your system. It is usual to have various signup pages depending on the types of people and organizations you want to register. To register on our website, you must enter certain information such as your name, phone number, and password.

Registration Page's Layout-

Log-in

The login page enables a user to gain access to a program by providing their username and password or authenticating with a social media login. To use our website, you must enter an appropriate email address and password.

Log-In Page's Layout-

Database

MySQL is an Oracle relational database management system (RDBMS) based on structured query language (SQL). A database is a well-organized collection of data. It could be anything from a simple grocery list to a picture gallery or a location to store massive amounts of data in a corporate network. MySQL technology was employed to manage our database system.

Ad Page's Database Layout:

Showing rows 0 - 4 (5 total, Query took 0.0003 seconds.)

SELECT * FROM `ad`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

		id	category	address	img	description
☐ Edit Copy Delete		5	ফ্ল্যাট ভাড়া	ফ্ল্যাট ভাড়া, শ্রীনগর, ঝুমুর হল রোড, পোদ্দার পাড়...	https://i.postimg.cc/zDxN6rKk/flat-rent.jpg	**টাইপ: ফ্ল্যাট, বেড রুম: ২ টি, ওয়াস রুম: ২ টি, ত...
☐ Edit Copy Delete		6	সিট ভাড়া	সিট ভাড়া, ১০৭,মাদার আলী কমপ্লেক্স,উত্তরা ইঞ্জিনিয়...	https://i.postimg.cc/NjHwK2VN/seat-rent.jpg	টাইপ: সিট, বেড রুম: ১ টি, ওয়াস রুম: ২ টি, তারিখ:...
☐ Edit Copy Delete		7	সাবলেট ভাড়া	সাবলেট ভাড়া , 258,west shantibag,dhaka-1217, মালি...	https://i.postimg.cc/ZK0mhMLz/sublet-rent.jpg	সাবলেট ভাড়া, 258,west shantibag,dhaka-1217, মালিব...
☐ Edit Copy Delete		8	ব্যাচেলর ভাড়া	32/1b 4th floor, shukrabad dhanmondi, শুক্রাবাদ	https://i.postimg.cc/KvV2cD9k/bachelor-rent.jpg	টাইপ: সিট, বেড রুম: ১ টি, ওয়াস রুম: ১ টি, তারিখ: ...
☐ Edit Copy Delete		9	ফ্যামিলি ভাড়া	32/1b 4th floor, shukrabad dhanmondi, শুক্রাবাদ	https://i.postimg.cc/kGYdbQqH/family-rent.jpg	টাইপ: সিট, বেড রুম: ১ টি, ওয়াস রুম: ১ টি, তারিখ: ...

↑ ☐ Check all   With selected: Edit   Copy   Delete   Export

Users Page's Database Layout:

Showing rows 0 - 0 (1 total, Query took 0.0134 seconds.)

SELECT * FROM `users`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

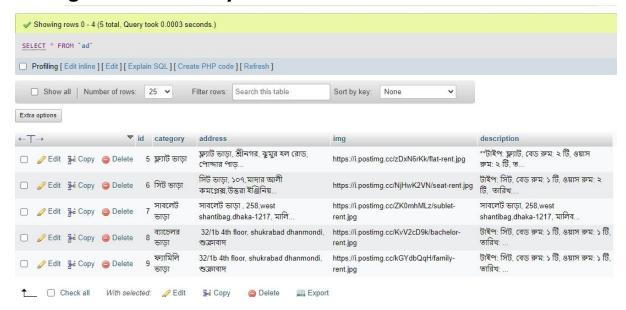|	id	name	email	mobileNum	password
☐ Edit Copy Delete	6	Kazi Mohammad Moinul Ahsan	kazimoinul.official@gmail.com	01511111111	1234

↑ ☐ Check all   With selected: Edit   Copy   Delete   Export

Problem Statement

These days, renting a house is really difficult. For bachelors specifically, it is harder. So, this is our attempt to find a solution.

Furthermore, when people move from one city to another, it becomes difficult to find a place to live or rent. Basakhali.com is ready to assist them in easily finding the home they require. Our service is always prepared to assist you in quickly finding a house of a particular category.

Pros and Cons

Pros:- Anybody may easily rent a specific type of home in a particular area.

Cons:- Basakhali.com does not engage in any financial transactions. Basakhali.com shall not be held liable for any financial transaction if someone is defrauded by anyone.

Future Objective

One of our future goals is to connect the service so that a user can sit in one place and view all of the available rental home listings within a specific radius.
one of our goals is to set up online chat services so that those looking for housing and those looking to rent it may communicate.

Conclusion

Aside from a few drawbacks, we believe our service will be extremely beneficial to tenants. We will expand our assistance by linking new and more services.