Examples of technical specifications for development:

Ministry of Education and Science of the Kyrgyz Republic

Kyrgyz State Technical University

TERMS OF REFERENCE FOR THE DEVELOPMENT OF AN INFORMATION SITE

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1.Introduction

1.1 Name of the web application.

Full name: "RentTech"

Artist: Students: PI groups 1-20: Stalbekov Iman,

Elhams Mohammed, Kaliev Ulukbek

Co-executor: no

1.2 Brief description of the application

The site (application) is designed for online rental of equipment. The user can also view the .

2. Basis for development

The program is developed on the basis of the curriculum of the department "Software on the carelessness of computer systems"

3. Purpose

OJSC "RentTech" wants to create a resource for convenient use of its product to the masses presumably for citizens of the Kyrgyz Republic.

For users there is a system of registration and authorization.

The web application solves such problems as:

~ Booking of equipment for two hours;

~ A search of nearby landlords;

~ Mobility of access;

~ Make online payment via card (visa, e-card, bank);;

~The ability for manufacturers to offer their products to a potential audience directly on the network;

~ Web application is intended only for renting equipment;

~ Possibility of registration on the site;

~ Search a possible catalog.

4. Objectives of creating a web application.

4.1 The purpose of the development is:

Help to organize all processes aimed at:

~ reception;

~ processing;

~ control;

Among the main tasks that such an application allows you to solve, it is worth highlighting:

~ free use of the application;

~ Quick out put of the new directory to users;

~ a significant reduction in the time requiredto search for books;

Application requirements :

* Have a system of recommendations;
* Accessibility;
* Have the user's personal shopping cart;
* Have an accessible and simple user interface.
* Have a user rating.

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5. Requirements for the program or software product

5.1.    Functional requirements

5.1.1.    The program should be able to perform the following functions:

– Full automation of the process of purchasing paid goods by the buyer;  
– Automatic formation of payment documents and price lists;  
– Automation of the process of payment for goods by the buyer; – Adaptability for mobile devices

Your app must enable the administrator to:

-add, delete, edit information supplied on the pages of the application -manage the structure of the application -manage the publication of photo materials -enter accounting and control of published data -access to the database

The application to falsely provide the user with the ability to:

* possibility to rent goods
* view published content
* view cart
* choose a payment method
* navigate between pages
* write feedback or suggestions
* search for products

5. 1.2. From the program

1. Hat

-logo -cart icon: when pressed, it should open the basket, it should also read the final price and the amount of goods collected, based on the items in the shopping cart, the order button with the ability to select the payment method - search input

-must find a product or catalog based on the entered data

-filter of goods: by catalog, by cost, by product characteristics

2. The main page of the application

A. Company

-beautifully designed background -should contain briefinformation about the purpose of this application

b. Benefits

-beautifully designed information about our advantages in orderto protect a possible customer:

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6. Functional requirements:

* Input

You can enter theapplication as a guest and view the catalog or register anduse all other options of the application

* Data output

- User's FI

- Email or account

- Contact numbers

* Find and filter data
* User registration and authorization
* Editing data
* Entering bank card details

7. Requirements for types of collateral

The data storage layer in the system should be built on the basis of modern relational or object-relational DBMSs (database management system). To ensure data integrity, built-in DBMS mechanisms should be used. DBMS tools, as well as the tools of the operating system used, should ensure documentation and logging of information processed in the system

7. 1. Information system requirements

* Software used in development, libraries of program codes, DBMSs should be widely distributed, be publicly available and used on an industrial scale.
* THE PHP platform will be used asa basis for development
* The server operating system will be Windows NT or Unix(GNU/Linux).
* MySQL version 5 or higher should be used as a DBMS.

7. 1.2. Requirements for the client part. Theclient must use one of the following web browsers:

* Google Chrome, Mozilla Firefox, Yandex Browser, Opera – 25 версии и выше;
* Internet Explorer 10 version or higher
* Safari 5 or higher

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7.1.3. Server-side requirements. The server must meet the following criteria:

* Operating system of the Windows NT or Unix family (GNU/Linux);
* Apache Cross-Platform Web Server
* MySQL 5 and above.

- It will be possible to register via mail.

- A notification will be received or the ACC in the application is automatically blocked in case of incorrect user actions when working with the system or violation of the user's rights agreement.

- When blocking an account, you can write a letter to the administrator about the request for unblocking.

* Procedure for the receipt and acceptance of the application
* The types, compositions, scope, and test methods of the application inides, composition, volume, and test methods of the subsystem shall be set forth in the IP test program and methodology developed as part of the working documentation.
* The status of the acceptance committed with the titus of the acceptance commission is determined by the guest before the tests are carried out.
* Requirements for documentation Operational documentation is transmitted to the Customer in paper and electronic form.

Documentation:

* User’s guide
* Programmer's Guide.
* Sources
* GOST 34.602-89 – Terms of reference for the creation of an automated system
* GOST 19.201-78 – Terms of reference. Requirements for content and design
* Signature

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**8. Schedule of project implementing**

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| --- | --- | --- | --- |
| № | Stage name | Timing of the stage | How does the stage end? |
| 1 | Study of the subject area.  Problem statement. | 29.09.2022 – 06.10.2022 | Drafting the SRS and activity diagram |
| 2 | Draft terms of reference | 06.10.2022 – 13.10.2022 | Existing terms of reference |
| 3 | Figma prototype(layout) | 13.10.2022 – 20.10.2022 | Existing desing |
| 4 | Database creation | 20.10.2022 – 27.10.2022 | Ready-made chart |
| 5 | Web-site creation | 03.11.2022 – 17.11.2022 | Ready page |
| 6 | Backend creation | 03.11.2022 – 10.11.2022 | Ready-made charts |
| 7 | Code writing | 10.11.2022 –  17.11.2022 | Write the main (backend and frontend) |
| 8 | Code writing | 17.11.2022 –  24.11.2022 | Write the code for interface |
| 9 | Code writing | 24.11.2022 –  01.12.2022 | Write the main (backend) code |
| 10 | Quality Assurance | 01.12.2022 –  08.12.2022 | Test the interface |
| 11 | Testing program | 08.12.2022 –  15.12.2022 | Test the response times |
| 12 | Project presentation | 15.12.2022 – 22.12.2022 | Program Protection |

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