A picture containing text, graphics, screenshot, graphic design

Description automatically generated

DOCUMENTATION

Team “Robologists”

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**AUTHORS**

|  |  |  |
| --- | --- | --- |
| Name | Class | Role |
| Stanislav Radev | 8 G | SCRUM-trainer |
| Ivan-Michail Ivanov | 8 B | Front-end developer |
| Ivan Beknev | 8 V | Front-end developer |
| Maria Bakumtseva | 8 A | Designer |

**SUMMARY**

**Aim:** Our website aims to inform people about the use of robotics in medicine and in what parts of it they are used, some of the technical achievements that happened throughout time, the history of robotics in medicine, and their development possibilities.

**Made decisions:**

**We decided to narrow the topic of robotics and wrote about robotics in medicine.**

**Name of the team-“Robologists- Robo(robotics) + logos- science.**

**Name of the website- “RoboMed”- Robo(robotics) + Med(medicine).**

**Main phases of our work:**

**I Organisation:**

**1.Phase:** We created a group chat in Teams called “Robologists”.

**2.Phase:** We created a GitHub repository called “RoboMed”.

**II Working on the website:**

**1.Phase:** We created the navigation bar.

**2.Phase:** We created the “application” page.

**3.Phase:** We created the “technical achievements”page.

**4.Phase:** We created the “History” page.

**5.Phase:** We created the “development possibilities” page.

**6.Phase:** We created the design and applied it to all pages.

**7.Phase:** We created the homepage.

**The role of each author in the project and what they did for the website:**

Name Roles What they did

Stanislav Radev

SCRUM-trainer, CSS developer, helper

Created a group on Team and a repository on GitHub. Assigned issues on GitHub and set a due date for them. Lead the team. Set and started meetings on Teams. Approved or disapproved information, pictures, suggestions, ideas, or changes found or made by our team. Wrote most of the CSS code and added the pictures found by our designer. Helped with finding the information for the pages. Helped with the code for the homepage.

Ivan-Michail

HTML developer, information finder

When it comes to my job as a developer, I have mainly contributed to the html code, the topics of the pages to be specific. I have worked on topics 1, 4 and 5 of the Home page, 1 through 4 of the Development Possibilities page, 2 through 6 of the Technological Achievements page and topics 1, 6 and 7 of the Applications page.  
Most of them are written entirely by me, whereas the rest are rearranged, but based on the writings of other authors.

Ivan Beknev

HTML developer, information finder

Wrote the HTML code for this topics of this pages: ”application”- 2, 3, 4, “technical achievements”-1, 7, 8, 9, 10, “development possibilities”-5 to 8. Found information for the topics written by me.

Both developers wrote a part of the “history” page.

Maria Bakumtseva

Designer, picture finder

Created the plan for all pages, found pictures for all of the topics on the different pages, and created the overall design of the website.

**Realisation:**

**The technology used and why we used it:**

**For the development of our website we used:**

* HTML5
* CSS3

**For the organisation of our team we used:**

* GitHub
* Teams

**For finding the information we used:**

* Google
* ChatGPT

**For writing the documentation and creating the presentation we used:**

* Word
* PowerPoint

**Description of the website:**

**Elements:**

Our website has a navigation bar with five tabs leading to the website’s five pages. There are also two menus.

**Pages:**

The five pages are:

“Home”- The “Home” page summarises all of the content on the website and the separate pages and it tells the user all the information they can find there, that way the user will know if the website has the information they need. On this page, there are the sources we have used to get the information.

“Applications”- This page tells the user about different types of robots, in what fields of medicine they are used, and how they are helpful and innovative. For every type of robot, there is an appropriate picture to visualise the information which makes the understanding of the information by the user easier.

“Technical achievements”- The “Technical achievements” page has information about some pioneer inventions in the fields of robotics in medicine. There is a picture of every robot so the user can know what the robot looks like and also to to visualise the information which makes the understanding of the information by the user easier.

“History”- This page tells the user the history of robotics in medicine by telling the most important improvements and events that have happened in different periods of time. There are pictures to show the user the different old robots and versions of robots and robotic devices. They also visualise the information which makes the understanding of the information by the user easier.

“Development possibilities”- The “Development possibilities” page has information about different expectations and predictions about what may happen in the future and how that will affect the fields of medicine that robotics has applications in. Because the page talks about the future there aren’t many pictures.

**Menus:** The two menus are:

“Support us”- This menu allows the user to rate the website and donate money to us. That way they help the website improve.

“Content”- The “Content” menu has a drop-down menu which activates when the user hovers over it with their cursor. The menu shows the different headings on the separate pages that way the user can find out If they want to read a certain page and where the information that they want to read is located, in just a few seconds.

**Design:**

The website has a design centred around the colors grey, blue and their different shades. Because all of the information is in the middle of the screen, the tabs are on the top of the screen and the menus are on the left and on the right of the screen, the design allows for easy, quick, and efficient work with the website.

**In conclusion:**

**The result:** We successfully created a good-looking website that is easy to use and navigate around and that tells the user all of the important information about robotics in medicine.

Things that could improve:

Functionality- For example, we could make the “Content” menu lead you to the heading that you clicked on. This will make the website even more time-efficient and easy to use.

Information- Although there is a good amount of information for most topics, there are some that have too little, so it would be a good idea to add more information to these topics in the future.

**Future ideas:**

A “Dictionary” tab- This tab will contain definitions of medical or other terms or other words which are likely to be unfamiliar to the average person.

A “News” tab- This will be a tab which will show new innovations, improvements, or news about robotics in medicine. Users will be able to access this tab from other tabs if there is news about a topic in the tab, they will be sent to the news about the specific topic they accessed from.

A “Read more” text- This will be a link or a drop-down menu that will lead to a website or show more detailed information about the specific topic.