Terms of Reference

Table of Contents

[Layout design 2](#_Toc138161371)

[Homepage 2](#_Toc138161372)

[Introduction 2](#_Toc138161373)

[Header 2](#_Toc138161374)

[Subtitle 2](#_Toc138161375)

[Input and Output Fields 2](#_Toc138161376)

[Virtual Keyboard 3](#_Toc138161377)

[Navigation Icons 3](#_Toc138161378)

[User Guide Block Switcher 3](#_Toc138161379)

[FAQ 4](#_Toc138161380)

[Page Title 4](#_Toc138161381)

[Q&A Section 5](#_Toc138161382)

[Button for Homepage Navigation 5](#_Toc138161383)

[About 5](#_Toc138161384)

[Page Title 5](#_Toc138161385)

[Team Information Section 5](#_Toc138161386)

[Individual Team Member Cards 6](#_Toc138161387)

[Styling and Formatting 6](#_Toc138161388)

[Placeholders 6](#_Toc138161389)

[Algorithm prerequisites 6](#_Toc138161390)

# Layout design

## Homepage

### Introduction

The homepage of the website serves as the entry point for users and provides them with an overview of the project. It includes various elements designed to enhance user interaction and facilitate input and output of information. This documentation outlines the layout and functionality of the homepage, including the placement of key elements and their respective purposes.

### Header

At the top of the homepage, the project name and version are displayed in the header. The project name represents the unique identifier for the website, while the project version indicates the specific release or iteration of the project. The version is presented as a superscript next to the project name, providing a clear distinction between the two elements.

### Subtitle

Just below the header, a sub-title is included to provide a concise description of the purpose or objective of the project. This sub-title offers users a quick understanding of the website's focus and functionality, helping them determine if it meets their requirements.

### Input and Output Fields

Following the sub-title, the homepage features an input field and an output field. These fields are vertically arranged to provide a clear visual separation. The input field allows users to enter IPA, while the output field displays the results generated by the system.

### Virtual Keyboard

Below the input and output fields, a virtual keyboard is provided to enhance user interaction. This virtual keyboard offers an alternative input method, allowing users to enter characters that may not be readily available on their physical keyboards. By incorporating this feature, the website aims to ensure accessibility and accommodate users with various input devices or language requirements.

### Navigation Icons

In the top right corner of the homepage, a column of icons is placed to facilitate navigation. These icons serve two primary purposes:

1. External Resource Icons: These icons provide quick links to external resources related to the project. For example, an icon may directly link to Wikipedia to provide users with additional information or context. By offering convenient access to external sources, the website aims to enrich users' understanding and provide them with further avenues for exploration.
2. Internal Page Icons: The navigation column also includes icons that enable users to navigate to other internal pages within the website. These icons represent links to specific sections or features of the website, allowing users to easily access desired information or functionality without relying solely on traditional navigation menus.

### User Guide Block Switcher

To enhance the user experience on the home page, you can include a switch that allows users to enable or disable the guide block. This switch will be positioned as an icon in the same location as the other page transition elements. Here are the guidelines for incorporating this switch:

1. Positioning:  
   Place the switch icon in the top right corner of the home page, in the same area as the other page transition icons. This ensures consistency in layout and makes it easily accessible to users.
2. Design:  
   The switch icon should be visually distinguishable and clearly represent the action of enabling or disabling the guide block. Consider using an intuitive icon that conveys the concept of guidance or assistance. For example, a lightbulb icon often signifies tips or guidance.
3. Functionality:  
   When the user activates the switch by clicking or tapping on it, the guide block should appear or disappear accordingly. The guide block will be positioned below the virtual keyboard block, filling the remaining space on the page. This allows users to focus on the input and output fields while still having the option to access the guide block if needed.
4. Styling  
   Ensure that the guide block has a visually appealing design and is distinct from the other sections on the home page. Consider using a background color that sets it apart from the rest of the page, allowing users to easily identify its presence when enabled.

## FAQ

The FAQ page should follow a specific layout to enhance user experience and facilitate easy navigation. The following guidelines outline the recommended design.

### Page Title

The page title, which is "Часто задаваемые вопросы," should be positioned at the top center of the page, in the header. This maintains consistency with the homepage design and helps users quickly identify the purpose of the page they are visiting.

### Q&A Section

Below the page title, a dedicated section should be created to house the questions and their corresponding answers. This section should be colored slightly darker than white to provide visual distinction from the rest of the page. This contrast helps users focus on the content and promotes readability.

### Button for Homepage Navigation

In the top right corner of the FAQ page, a button should be placed to allow users to easily navigate back to the home page. This button should be clearly visible and accessible, enabling users to switch between the FAQ page and the home page effortlessly.

## About

The About page should follow a layout that is similar to the FAQ page, with slight modifications to accommodate information about the team that worked on the project. The following guidelines outline the recommended design.

### Page Title

Similar to the FAQ page, the page title "Про нас" should be positioned at the top center of the page in the header. This ensures consistency with the overall design of the website and helps users understand the purpose of the page.

### Team Information Section

Below the page title, create a dedicated section to showcase information about the team that worked on the project. This section should have a slightly darker background color to visually distinguish it from the rest of the page and provide a clear separation.

### Individual Team Member Cards

Within the team information section, display individual team member cards that include relevant details about each team member. Each card should contain the team member's name, role, and a brief description. Additionally, include a picture of each team member to provide a visual representation. The cards can be arranged in a horizontal format.

### Styling and Formatting

Ensure that the team member cards are visually appealing and well-formatted. You can use a consistent design for all cards, including a uniform size for the images and a clear hierarchy for the text. This helps maintain a cohesive and professional appearance.

### Placeholders

Both the input and output fields contain placeholder text, which serves as instructional guidance to users. These placeholders provide hints or examples to help users understand the purpose or format of the information they should input or expect to see in the output field. Placeholder text assists users in navigating the website and facilitates their interaction with the system.

# Algorithm prerequisites

When designing the website, it is important to take into account the information provided regarding the reconciliation table for IPA conversion to the Palladium system and the specific transliteration rules for Chinese syllables in the Russian system. Here are the key points to consider:

1. Reconciliation Table:  
   The reconciliation table for IPA conversion to the Palladium system can be found at the [following URL](https://en.wikipedia.org/wiki/Cyrillization_of_Chinese#Russian_system). This table provides the necessary information and guidelines for accurately transliterating Chinese syllables into the Palladium system used in the Russian language.
2. Coda “ng” Transcription:  
   In composites where the coda "ng" occurs and is followed by a syllable starting with a vowel, it should be transcribed as "нъ" in the Palladium system. For instance, the names of the cities Chang'an and Hengyang are transcribed as "Чанъань" and "Хэнъян" respectively.
3. Transcription of "w" in Syllables with No Initial:  
   In syllables without an initial consonant, the letter "w" is transcribed as "в" in most cases, except when "wu" is present. In the case of "wu," it should be transcribed as "у." For example, the names of the cities Wuwei (both in Anhui and Gansu) and Wanning are transcribed as "Увэй" and "Ваньнин" respectively.