



<https://wikimini.org/>



WikiMini

The online platform for elementary education
- developing transversal competencies



<https://wikimini.org/functional-requirements>

- Allow Student and Teacher accounts.
- Assign homework to be done in WikiMini.
- Number of increased interactions for Teachers and Students.
- Dashboard for Teachers to monitor Student paths.
- Teacher can evaluate/approve Student work.
- Written content should be children friendly.



<https://wikimini.org/journey-and-main-features>



Create classroom

Download & print or send individual codes for students to connect

Homework assignment

- General topic
- Instructions
- Start and due date
- Select grading criteria

Monitor students progress

- Link to students article
- Monitor who needs help
- Answer questions /give hints

Grade & approve work

- Grade based on grading criteria
- Approve article for publishing



Sign up with code

Connect to classroom via personal code received from the teacher

Write article

- Choose topic
- Select category
- Ask for teachers help
- Write article

Receive feedback & get rewarded

- Grade
- Collect achievements



<https://wikimini.org/product-demo>

Let's take a look!



<https://wikimini.org/technical-highlights>

- ~25% of Frontend implemented.
- Implemented a Node.JS back-end structure that interacts with the MediaWiki CMS to enhance development flexibility.
- Innovative front-end through the use of Angular as a framework.
- ~85% of Backend implemented.
- Enhanced existing MediaWiki database structure with own MariaDB database to interact with newly created data-models.
- Modular project structure based on classrooms and tasks to be easily extendable for future functionalities.



<https://wikimini.org/innovations-next-steps>

Innovations

- Share sign up codes by email/print - allows smooth sign up process.
- Grading - allows Teacher to classify specific Student's competencies.
- Gamification - gives students the feeling of achievement and stimulates learning.

Next Steps

- Learning paths - allows Teachers to plan and bundle specific tasks.
- Different types of homework - allows peer reviewing and group work.
- Skills analysis - allows Teacher to evaluate individual and class competencies based on grading.



<https://wikimini.org/team-lessons-learned>



"How challenging, yet crucial UX research is within a project where you're far removed from the user's behaviors, needs to create a meaningful product."

Nataliya Vegera - UI/UX
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"Importance of being iterative and adjusting product scope along the way, taking into account Team's velocity and any unpredictable life challenges!"

Ewa Magdoń - Project Manager
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"It is hard to overestimate how important the Team is for a project, and that it is part of being a better developer to understand and adapt to team dynamics, and communicate and define roles and expectations according to everyone's strengths!"

Luciana Kolbeck - Backend Developer
luciana.kolbeck@ik.me



"GitHub, international environment, backend development, APIs, JavaSprit, SQL - all of those accompanied me during those last weeks and impacted my development."

Nurseda Topal - Backend Developer
nursedaatopal@gmail.com



"I learned that good code and a meaningful cause really bring people together, no matter their backgrounds, language, or even time zones."

Ali Karaki - Fullstack Developer
amk115@mail.aub.edu



"Taking a lead position and curating all the aspects of a project has been a challenge i've never faced before in my career, and despite all challenges, it has made me grow as a person."

Antonio Ancona - Frontend Developer
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<https://wikimini.org/q-&a>



Q&A