

DormEase: Munich Dormitory Explorer



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DORMEASE: Transforming Munich's housing hunt with precision and ease - your personalized map to dormitory bliss.

Embark on an exploration where finding your ideal dormitory is effortless. DormEase simplifies Munich's housing scene, making your search enjoyable and straightforward. Let DormEase be your passport to dormitory bliss.

MOTIVATION & FEATURES

Inspired by the challenges faced by students and newcomers in Munich, we embarked on a mission to create an intuitive and comprehensive Interactive Web Application Map that caters to the diverse needs of individuals searching for dormitories in Munich. Our map serves as a one-stop platform for users to access detailed information about the surrounding neighborhood, including the proximity to educational institutions, recreational facilities, public transportation, and other essential amenities. It's not just about finding a dorm; it's about making informed decisions that match a unique lifestyle. Our application prioritizes an intuitive user experience, ensuring that even individuals with limited technical expertise can easily navigate and utilize the platform.

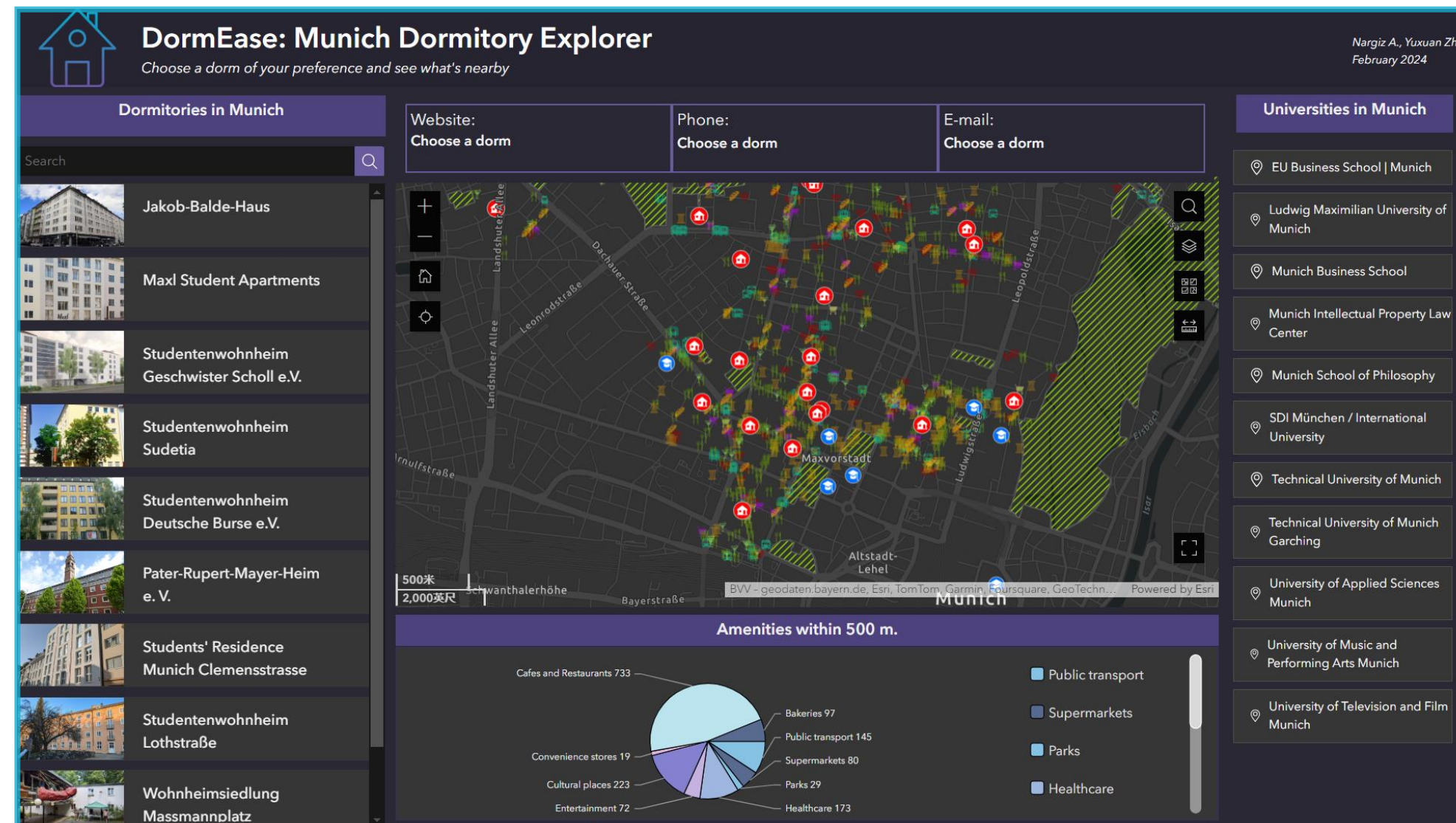


Fig. 1: DormEase Overview. Explore DormEase's Munich dormitory map, enhancing search experiences with comprehensive and intuitive features.

JOURNEY & MAPPING

DormEase's inception involved navigating Google Maps and OpenStreetMap, meticulously extracting data and delving into German websites for dorm details. With QGIS and ArcGIS Pro, spatial data underwent refinement. In interactive mapping, ArcGIS Experience Builder seamlessly integrated processed data, offering a user-friendly exploration of Munich's housing landscape. Users, empowered to select their university, discover strategically positioned dorms based on proximity.

CHALLENGES & TRIUMPHS

Our journey was not without challenges. Extracting data from German websites, language barriers posed formidable obstacles. Partial absence of necessary attributive information and limited interactive tools on ArcGIS Experience Builder – each challenge met with determination. Despite software limitations, DormEase achieved its goals by presenting relevant dormitory information creatively.

LOOKING FORWARD

As DormEase paves the way for students and newcomers, our vision extends into the future. We suggest regularly updating to keep dormitory information current, reflecting changes in prices and infrastructure. We envision enhancing user experiences by incorporating transportation details—connecting dormitories to universities, offering a holistic view of relevant information.

CONCLUSION

DormEase is a guide to navigating Munich's dormitory landscape with ease. Seamlessly blending technology with personalized living, it transforms the search into an interactive and enjoyable experience. As your innovative guide, DormEase overcomes data challenges, setting the course for future dormitory living. Redefining exploration, DormEase turns finding a dormitory into a journey of effortless and informed living in Munich. Welcome to DormEase - where discovering your dormitory is a joyous adventure.

IMPRINT

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KEYWORDS

Dormitory, Munich, Personalization, Interface

LINK

<https://experience.arcgis.com/experience/d3df698286ca4e9c94d21563ac75e827/?draft=true>

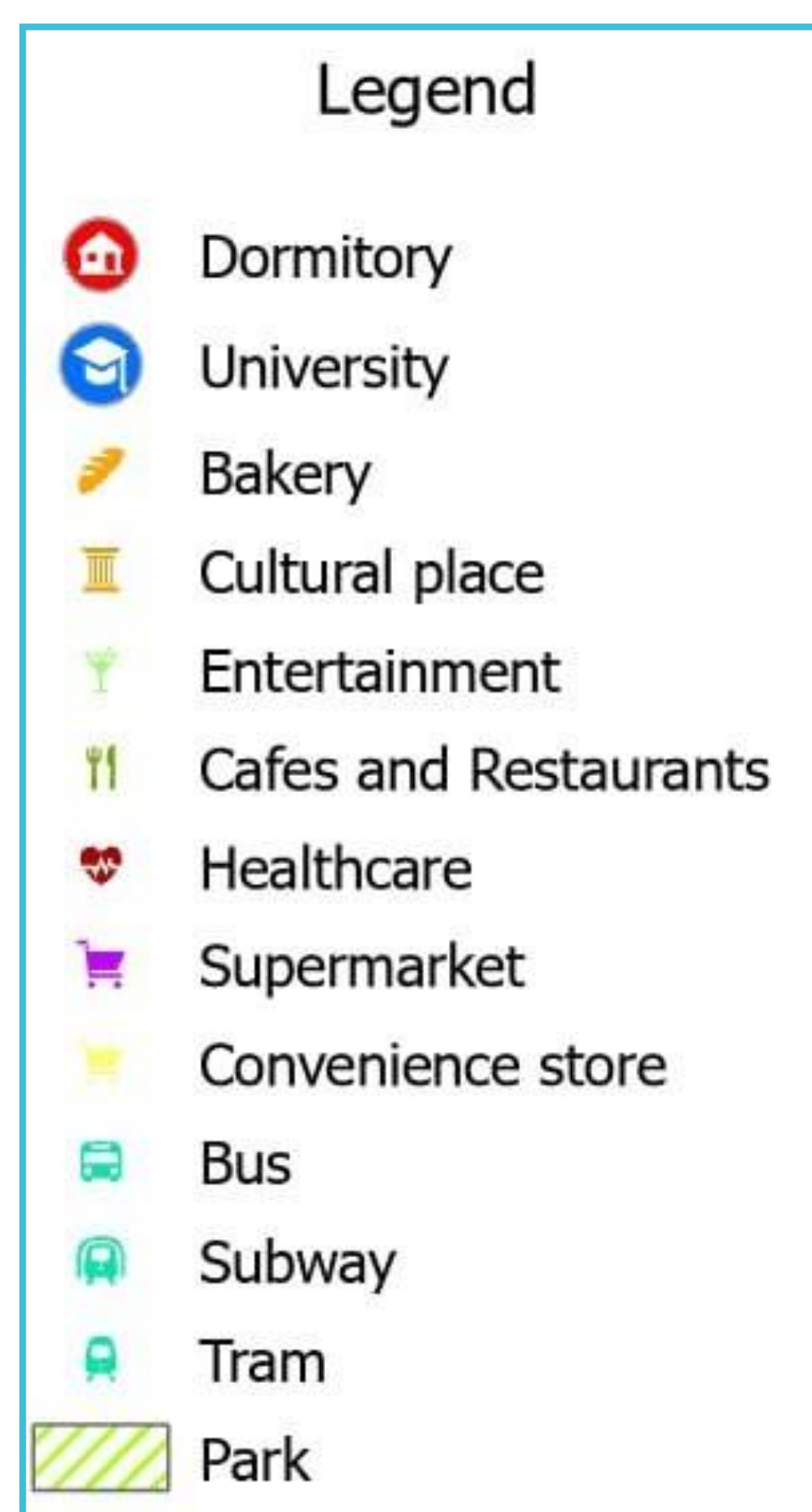


Fig. 2: Map Legend

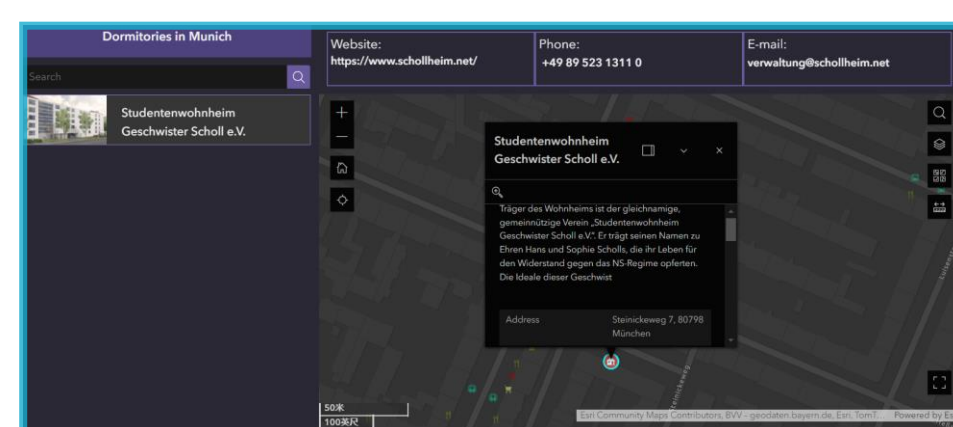


Fig. 3a: Dorm Details Panel and attributive information

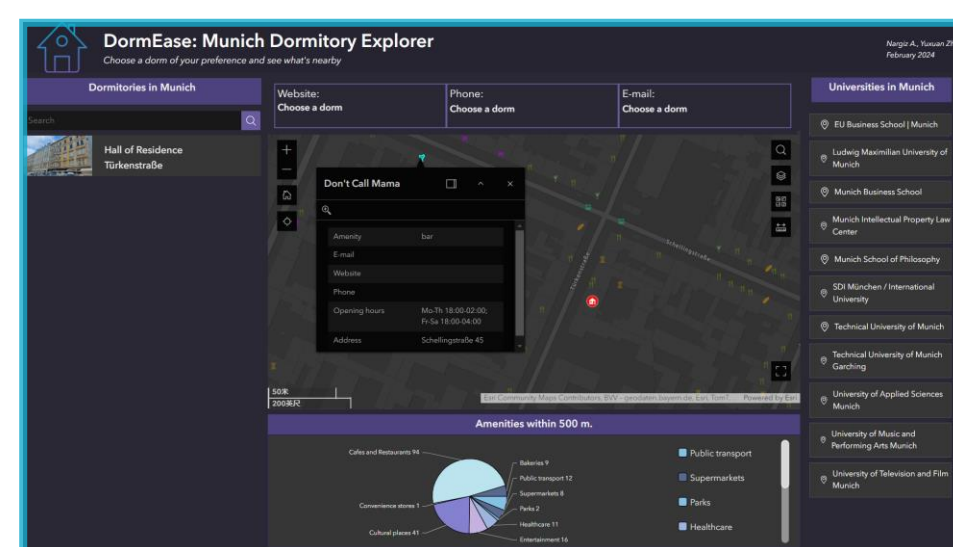


Fig. 3b: Local Amenities and attributive information

In Fig. 3a, the dorm details panel above the map displays key information, such as website, contact, and email, simplifying the selection process. And attributive information including descriptions will be showed in the map when you click the dormitory.

Figure 3b exhibits various facilities within a 500-meter radius of the selected dormitory, offering insights into the immediate surroundings. Attribute popups will show more information such as opening hours and contacts.

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