Brief information about the project

3. Design and development of digital the platform. A comprehensive technical project will be developed, including system architecture, user interfaces, security mechanisms, and component integration protocols. The TOURISMKAZ portal design and mobile application will be created to provide users with access to the platform's core digital services. Particular attention will be given to the development of a database of tourism sites, routes, and attractions, forming the content ecosystem of the project. 4. Integration and digital interaction among industry participants. This stage includes the incorporation of services offered by key stakeholders in the tourism sector — such as tour operators, hotels, and transportation companies — into the platform. Mechanisms for integration with the national tourism ecosystem will also be developed. The search engine will be adapted to individual user queries, QR codes will be generated for tourism sites, and 3D tours will be integrated into both the portal and mobile application interfaces. 5. System testing and improvement. A comprehensive audit of the portal will be conducted, assessing its performance, cybersecurity, and user experience (UX). Based on the results of pilot testing, an upgraded version of the mobile application will be released, incorporating user feedback and expert recommendations from the tourism sector. 6. Project implementation and promotion. To effectively promote the digital platform, informational seminars, social media marketing (SMM) campaigns, and participation in international forums will be organized to present project outcomes and attract strategic partners. Furthermore, cooperation agreements will be established with key stakeholders within the tourism industry. 7. Technical support maintenance. and This stage includes the procurement of necessary equipment, configuration of server infrastructure, and ensuring the stable operation of the system. Continuous technical and informational support will be provided to maintain the stability and security of the portal's digital infrastructure. 8. Reporting and legal protection. Upon completion of each project phase, interim and final reports will be prepared and submitted to the Science Fund JSC (AO «Фонд науки»). To protect intellectual property rights, a copyright certificate will be obtained for the "TourismKaz" mobile application. Expected a service for selling tourism products and services has been developed and (https://tourismkaz.kz/); achieved mobile applications "TOURISMKAZ" have been developed: results https://apps.apple.com/kz/app/tourismkaz/id1580329469 https://play.google.com/store/apps/details?id=kz.qaztourism.customer&p copyright certificates for the mobile applications "TOURISMKAZ" have been obtained; panoramic 3D tours of tourist sites have been developed; an interactive map for tourists has been created. Geographical 1. Akytymbayeva Aliya Sagyndykovna, Candidate of Research Sciences, Associate Professor. h-index – 7; Scopus: 55916649100; Web team members of Science: N-9777-2014; ORCID ID: 0000-0003-1269-4356. 2. Ismail Gulim Zharaskyzy, PhD Candidate. h-index – 3; Scopus: with their identifiers 57205624248; Web of Science: ABF-3183-2021; ORCID ID: 0000-0002-(Scopus 2330-1063.

Author ID, 3. Nuruly Yeldar, PhD Candidate. h-index – 4; Scopus: 57198426770; Web Researcher of Science: V-7078-2017; ORCID ID: 0000-0002-9321-2285. 4. Plokhikh Roman Vyacheslavovich, Doctor of Geographical Sciences, ID, ORCID, if Associate Professor. h-index – 5; Scopus: 57205339295; Web of Science: AAK-3042-2020; ORCID ID: 0000-0002-4396-4489. available) and links 5. Sapiyeva Akmaral Zhenisbayevna, PhD Candidate. h-index – 3; Scopus: to relevant 58309908500; Web of Science: ABC-9046-2022; ORCID ID: 0000-0001profiles 7717-8139. 6. Rabat Shyngys Zheksenbayuly, Bachelor of Engineering and Technology, major in 5B070300 – Information Systems. 7. Tychkov Nikita Valeryevich, Master of Science, major in 6M09200 – Tourism. 8. Kaliyeva Aida Bolatkhankyzy, Doctoral Student. h-index – 3; Scopus: 58793527700; Web of Science: AFI-4744-2022; ORCID ID: 0000-0002-1324-5192. Fields of Application: Usage Tourism and Hospitality Public Administration and Regional Planning Information Technologies and Digitalization Education and Marketing in the Field of Tourism Practical Implementation: Digitalization of Kazakhstan's tourism industry through the creation of a unified platform "TOURISMKAZ," which ensures the integration of key market participants, including tour operators, hotels, and transport companies. The implementation of intelligent services and mobile applications aims to provide tourists with relevant, personalized, and interactive information about destinations. The development and integration of 3D tours and QR codes will enhance the accessibility and attractiveness of tourism sites. The establishment of a comprehensive digital database of the country's tourism resources will enable advanced analytics and monitoring of industry development. Improving the efficiency of interaction between government bodies and businesses in the tourism sector will be achieved through the use of digital tools and data transparency. The promotion of Kazakhstan's cultural and natural heritage will be facilitated through modern IT solutions and multimedia content. Expanding opportunities for domestic and inbound tourism promotion will be supported by strategic SMM campaigns and participation in international tourism forums. Expected Benefits: - Enhancing the competitiveness of Kazakhstan's tourism industry in the international market. Increasing tourist flows and fostering the development of domestic tourism. Improving the investment attractiveness of the sector and stimulating the growth of small and medium-sized enterprises. - Establishing a modern digital infrastructure to ensure the sustainable development of tourism. Improving the quality of tourism services and user satisfaction through the

implementation of personalized digital solutions.

Priority	- The project is aimed at integrating a web portal, mobile applications,
Compared	panoramic 3D tours, interactive maps, and QR technologies into a unified
to Existing	digital system for promoting and managing tourist destinations. Most
Analogues	analogous solutions in Kazakhstan and abroad are limited either to the
Analogues	creation of informational portals or to isolated digital services without
	comprehensive integration of multimedia and interactive content.
	Unlike existing platforms, the project provides for interactive visualization
	of tourist attractions through 3D tours and panoramic views, which
	significantly enhances user engagement and improves the representation
	of regional tourism potential.
	 A distinctive feature of the project is the implementation of QR codes
	linked to cultural and natural heritage sites, ensuring instant access to
	multimedia content and on-site navigation. Such technology is scarcely
	applied systematically within domestic tourism practices.
	The project is focused on developing a next-generation mobile application
	that combines navigation, booking, multimedia route support, and tourist
	flow analytics, thereby transcending the functionality of conventional
	tourism catalogs and websites.
List of	– Plokhikh, R., Fodor, G., Shaken, A., Berghauer, S., Aktymbayeva, A.,
publication	Tóth, A., Mika, M., & Dávid, L.D. (2022). INVESTIGATION OF
s with links	ENVIRONMENTAL DETERMINANTS FOR AGRITOURISM
to them	DEVELOPMENT IN ALMATY REGION OF KAZAKHSTAN.
	GeoJournal of Tourism and Geosites, 41(2), 354–361.
	https://doi.org/10.30892/gtg.41203-837
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	Kulakimictova, G., Aktymbayeva, A., Assipova, Zh., Baoleci, B., & Koshkimbayeva, U. (2022). CURRENT PROBLEMS IN THE TOURISM
	AND HOTEL INDUSTRY TAKING THE WORLD'S TOURIST CITIES
	AS AN EXAMPLE. GeoJournal of Tourism and Geosites, 43(3), 841–
	849. https://doi.org/10.30892/gtg.43301-895
	- Issakov, Y., Aktymbayeva, A., Savanchiyeva, A., Assipova, Z.,
	Taukebayeva, M., Moldagaliyeva, A., Burakov, M., Kai, Z., & Dávid,
	L.D. (2025). Opportunities and perspectives of formation of the mountain
	tourism cluster in Almaty agglomeration. Geojournal of Tourism and
	Geosites, 58(1), 105–118. https://doi.org/10.30892/gtg.58109-1394.
Patents	Copyright Certificates:
	- Certificate of Entry into the State Register of Rights to Copyright-
	Protected Objects (type of copyright object: computer software). Title:
	Mobile Application "TourismKaz" (Consumer Version), No. 20738, dated
	October 8, 2021. Rights holders: Aktymbayeva A.S., Kitebayev A.E.,
	Nuruly Y., Ismail G.Zh. https://copyright.kazpatent.kz/?!.iD=I82y
	 Certificate of Entry into the State Register of Rights to Copyright-
	Protected Objects (type of copyright object: computer software). Title:
	Mobile Application "TourismKaz" (Provider Version), No. 23170, dated
	January 31, 2022. Rights holders: Aktymbayeva A.S., Kitebayev A.E.,
	Nuruly Y., Ismail G.Zh., Rabat Sh.Zh.
	https://copyright.kazpatent.kz/?!.iD=DREW
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Thong with the completed form, prease attach to chian relevant photographs and video	

Here is the link to the media content:

https://drive.google.com/drive/folders/117m3yR-ZkpfQU0sWyn8DJ5AGeMdDkaoc?usp=sharing

materials that can be used to visualize and present the project on the web page.