##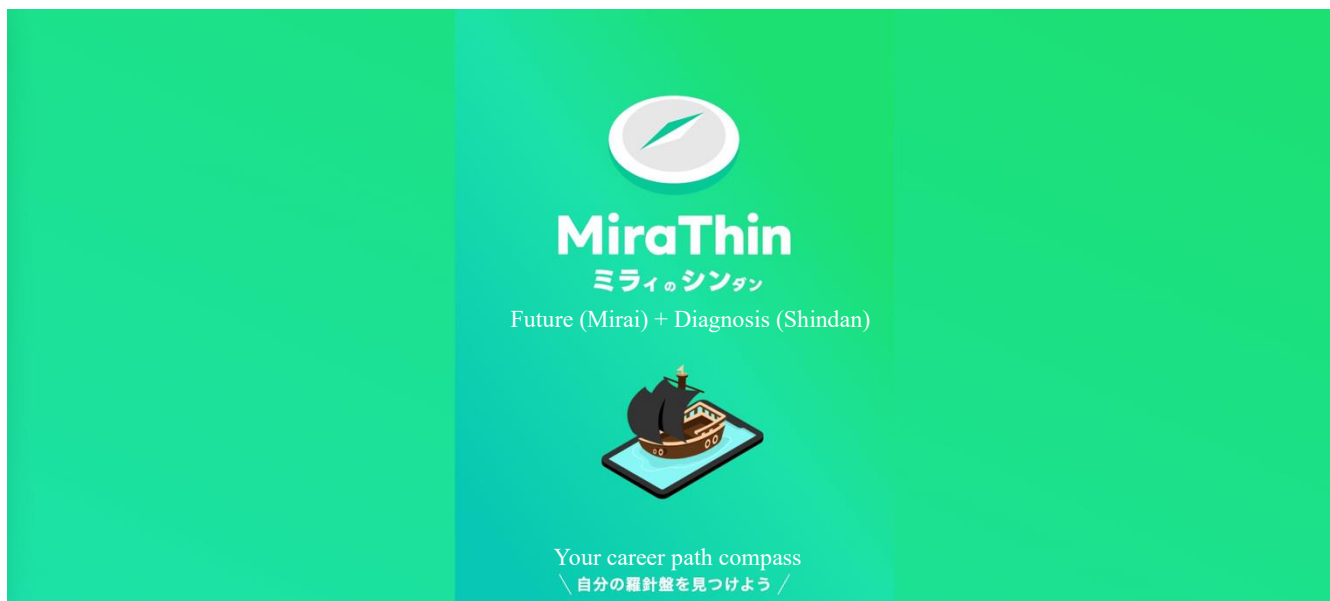 Start of Closed Beta Testing of the MiraThin AI Career Path Determination App for Generation Z Students by JAST and Kindai University Graduate Student Start-up YARUKA YARANKA

Japan System Techniques Co., Ltd. (JAST) and YARUKA YARANKA Inc. (Head office: Kashihara-shi, Nara, Representative: Natsuki Nishi) are working together for the provision of services that reflect the needs of generation Z students. JAST and YARUKA YARANKA have started closed beta testing of MiraThin, which is an app incorporating the know-how of both companies for the use of AI to determine a suitable career path for generation Z students. The details are as per attached.

This matter will have only a negligible effect on JAST's results of operations. An announcement will be made promptly if there is any additional information that should be disclosed.

Start of Closed Beta Testing of the MiraThin AI Career Path Determination App for Generation Z Students by JAST and Kindai University Graduate Student Start-up YARUKA YARANKA

MiraThin
ミライのシンダン
Future (Mirai) + Diagnosis (Shindan)

Your career path compass
＼自分の羅針盤を見つけよう／

Japan System Techniques Co., Ltd. (Head office: Osaka, Representative: Takeaki Hirabayashi, President and CEO; JAST) and YARUKA YARANKA Inc.[1] (Head office: Kashihara-shi, Nara, Representative: Natsuki Nishi) are working together since December 2022 for the provision of services that reflect the needs of generation Z students[2]. YARUKA YARANKA is a start-up company managed by Natsuki Nishi, who is a student at Kindai University in the master's degree course for transdisciplinary graduate school of social innovation and entrepreneurship.

One result of this collaboration is the use of the know-how of both companies to develop MiraThin, which is an app that enables generation Z students to use AI for determining a suitable career path. Closed beta testing of this app started on March 13, 2024.

The main business of JAST is B-to-B operations involving the provision by companies of systems and services to universities. Adding this service will expand JAST's operations to include B-to-C businesses for the provision by companies of systems and services directly to consumers. This will allow JAST to supply systems that even more closely match the requirements of students who are the end users of UNIVERSAL PASSPORT[3].

Kindai University gives students opportunities to become involved with various industries as an institution with a commitment to practical education. In addition, the university places a high priority on supporting student entrepreneurs. This collaboration with JAST is part of the university's KINCUBA[4] start-up support program.
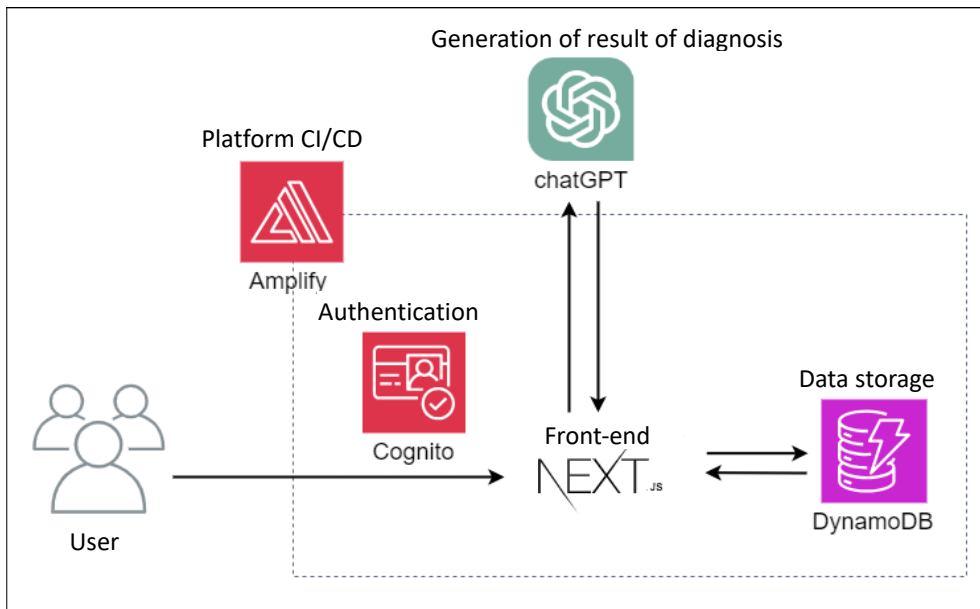
■　**The MiraThin AI Career Path Determination App**

The MiraThin app uses AI to ask students numerous questions to perform an automatic career path diagnosis. For example, students may be asked about the type of person they want to become, the careers interest them most and specific jobs that appeal to them. Answers are used to generate 15 potential career paths. In addition, the student enters information about careers that interest them. Based on all of this information, this AI service with an interview format provides advice about a suitable career path in order to enable students to discover new options.

日本システム技術株式会社
Japan System Techniques Co.,Ltd.

近畿大学
KINDAI UNIVERSITY

㈱ やるか、やらんか。
YARUKA YARANKA Inc.

NEWS RELEASE

■ **The MiraThin System**

The system used for MiraThin is based on the amplification of Amazon Web Services (AWS). The front end was developed by using a serverless and modern environment that utilizes Next.js. As a result, the strength of using the cloud can be used for auto scale (automatic increase/decrease of cloud servers to match changes in the server load) and agile (a code development method that uses a repetitive cycle of small, incremental tests) updates. The result is a flexible structure that can be successively improved as the system operates. The user interface is another priority. The app features a futuristic design that appeals to generation Z and an intuitive user interface design. Results of the career path diagnosis are generated by using an algorithm incorporating psychological elements and text created by the generative AI of OpenAI. Students' replies and areas of interest are analyzed to create proposals for the next steps students should take. For example, MiraThin tells students about job categories where specific capabilities can be used most effectively and identifies skills that should be upgraded to receive the greatest possible benefits. As a result, MiraThin is a career path determination system that can produce recommendations that are even closer to the characteristics and goals of each user than the conclusions of conventional web-based applications are.

System Architecture

■ **Upcoming Activities**

JAST and YARUKA YARANKA plan to start closed beta testing by using students at Kansai area universities, chiefly Kindai University. Data obtained from these tests will be used for the full-scale launch of this app, which is to take place in 2024. This development project is using the lean startup methodology with operations performed mainly by generation Z creators. By aiming to create a product with the minimum capabilities needed in order to reduce expenses and shorten development time, this methodology determines goals by repeatedly confirming customer feedback. This approach enables a business to operate with no wasted use of time or resources. In the conventional waterfall software development methodology, the development process goes from upstream to downstream stages. When using this approach, the final product is created after repeatedly receiving feedback from users in order to incorporate that information in the product. As activities leading up to the official launch of this app continue, JAST and YARUKA YARANKA will continue to strengthen the framework for joint activities.

JAST will continue to use technologies and knowledge acquired since its inception 50 years ago to provide assistance to students and young entrepreneurs. By thoroughly examining a broad range of issues in various markets, JAST is determined to continue the "co-creation digital transformation" process backed by the launch of new services and the co-creation of value with customers.

*1 YARUKA YARANKA Inc.: Natsuki Nishi, then a third-year student at Kindai University's Faculty of Agriculture, opened a restaurant in October 2020 in Nara, where he grew up, that specialized in mapo tofu. In October 2021, he opened another restaurant at Kindai University, where he is a student, called KINDAI Ramen Venture. To set the stage for more growth, he established YARUKA YARANKA in April 2022. Guided by the vision of giving young people in Japan options, the new company focuses mainly on the restaurant、creative and event businesses. The entire staff of the company is undergraduate and graduate university students. The objective is to make YARUKA YARANKA one of the world's leading visionary companies by using activities and methods that are not restricted by conventional thinking.

*2 Press releases about collaboration with YARUKA YARANKA
September 8, 2023: ir_notice20230908.pdf (jast.jp)
December 22, 2022: ir_notice20221222.pdf (jast.jp)

*3 UNIVERSAL PASSPORT is an integrated web service system that supports information networks linking students, educators and the parents of students. The system was launched in February 2000 and is now used by more than 240 universities throughout Japan.
URL：https://www.jast-gakuen.com/

*4 KINCUBA is a university-wide entrepreneur support program of Kindai University that leverages the university's diverse array of strengths to assist students and people engaged in research to start businesses. The goal is to launch 100 companies at the university by 2025. Backing up this program are research activities at the university extending from health care to the arts, an alumni network of more than 570,000, the resources of the cities of Higashi-Osaka and Yao, home to many manufacturers, advanced digital transformation technologies, and other resources. The program includes academic studies needed to start businesses, a matching support service, consultations with mentors in many fields, demonstration tests using campus facilities, and even assistance for incorporating a company and starting operations. KINCUBA is a combination of the words Kinki and incubation.

■　**Inquiries**

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