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Teammate matching

Olympiads and hackathons often require forming teams according to specific rules. For example, taking into account the minimum and maximum number of people on a team, and setting requirements for their specializations. Participants can form teams themselves, and for that they want to see the profiles of available participants.

Ideas for the case

Create a web app, mobile app, or bot where participants can fill out their profile. For example, specify one of their specializations, technologies, describe their experience, attach a portfolio and a free-form description, and add a photo or picture to attract attention.

- Participants can create teams, which will also have a profile with a description and a display of the profiles of current members.
- A team, represented by its captain, and participants can find each other using filters, get in touch (for example, through Telegram), and join up.
- Organizers can set requirements for teams: composition and size.
- At any point, organizers can view the current distribution, contact participants (for this, there must be a link between the profile and Telegram), and form or reform teams.
- (Optional) Organizers can upload data from previous rounds into the system and enable its display for participants.
- Participants must gain access using some kind of invitation system, since only participants, not random people, should be distributed into teams.

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Swipe CSAT

Description

Our company wants to develop a service that will make it possible to assess customer satisfaction with various characteristics of products or services. We call this Swipe CSAT, a service where users can easily express their opinion.

Here are the main functions that should be included in the app:

1. Set of characteristics: the app must provide a list of characteristics related to the product or service. For example, for a restaurant, these could be food quality, staff service, atmosphere, and so on. Users will be able to select and mark whether each characteristic was present in their experience.
2. Displaying characteristics: the app will show each user two or three random characteristics from the available set. This will help reduce the time spent on the evaluation and improve the overall user experience.
3. Aggregation of responses: user responses will be aggregated and stored in a database. This will allow us to calculate the CSAT (Customer Satisfaction Score), an overall satisfaction rating based on responses from all app users.

Furthermore, we would like to propose the following additional functionality:

- Analytics: the app must provide analytical data (products and services) based on CSAT, such as the average value and graphs showing changes in ratings across various characteristics. This will allow us to better understand our customers' preferences and make appropriate decisions.

- Notifications: the app must send notifications to users to ask them to rate certain characteristics on a regular basis. For example, we could ask a user to rate the service after every visit to a restaurant.
- User profile: users must be able to create a profile in the app, save their preferences and settings, and view their rating history. We are looking for a development team capable of creating a reliable and intuitive Swipe CSAT app. We believe that this app will be useful for assessing customer satisfaction and will help us make informed decisions to improve our business.

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SMM platform

Hackathon project team description: a platform for scheduled message posting with a post workflow creation feature and post preview.

Our development team presents an innovative platform that allows users to manage their posts across social media channels and other online platforms. We are focused on developing functionality that will enable users to easily create, send, and manage their scheduled posts.

Must-have features

- Scheduled post publishing, with the scheduled post option also required in all other features: users will be able to set specific dates and times for publishing their messages. The platform will automatically send posts to the relevant channels at the specified time. This will help users plan their content optimally and attract more attention to their messages.
- Scheduled post list view. The platform will provide users with the ability to view all their created scheduled posts, as well as filter posts by specific channels and other parameters.

Ideas for future improvements

1. Pre-posting system to a test channel. To craft a good post, you need to see how it will actually look: how images will be arranged, where text will wrap, and so on. For this, we would like a pre-posting feature where a post is first published to a private mirror of the channel that no one can see. If we, as the authors, are satisfied with the result, we click approve and the post is queued for scheduled publishing.

2. Text formatting, style, and spell-checking: removing double spaces and unreadable characters, and checking spelling. Hint: third-party service APIs can be integrated for this.
3. Post workflow creation: users will be able to define the stages of working on a post and distribute tasks among different team members. Example: one person writes the post text, a designer adds images and emoji, and then a manager approves the post for publishing. This is essentially a Kanban board-style feature.
4. Telegram integration: the platform will interact with users through Telegram, providing a convenient interface for creating and managing scheduled posts.
5. Broadcasting and reposting a single post to multiple channels: users will be able to select multiple channels to publish a single post, which will significantly simplify and speed up the content distribution process.
6. Post analytics and statistics. For example, notifying users when a post performs well and its view count exceeds 500, 1,000, 5,000, or 10,000.

PROD

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Learn playfully

Problem

The goal is to address the problem of low motivation to learn, by creating an app that combines educational and game elements to increase interest and learning effectiveness.

What we want to see in the solution:

- A combination of game and educational mechanics
- Individual and team formats
- The user interface is very important. The UX should be as thoroughly developed as possible, while the UI should be as simple as possible

Project goal

Develop a unique app or platform that combines game mechanics with educational features. This platform should motivate users to learn new things, and to do so in an engaging way.

Main tasks

Educational content integration. Create a system for integrating educational material on various topics and subjects, allowing users to learn new concepts and languages, prepare for exams, and expand their knowledge in a game-like format.

Gameplay. Develop game mechanics that will encourage learning through quizzes, speed challenges, association games, and other game formats that help improve memory and information retention.

Social aspect. Introduce features for collaborative learning and competition between users or groups, to provide social interaction and healthy competition, increasing motivation to learn. Team mode.

Adaptive learning. Implement an adaptive learning system that will analyze the user's learning process and offer individualized tasks to improve weak areas.

Technical requirements

- An intuitive user interface
- The ability to easily add and edit educational content
- Built-in tools for monitoring user progress

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Appointments for legal entities

Introduction

An integral part of opening any Tinkoff product is an appointment between the client and a representative. This is an important step, on which it largely depends whether a person will work with us or not. It is during the appointment that clients gain access to products, cards and documents are delivered to them, and an in-person verification stage of the future user takes place. For example, representatives check that the client's business matches the specified OKVED code, meaning everything in the application was filled out correctly.

It is important to note that, unlike all other banks, Tinkoff does not have its own branches, which means that an in-person appointment is not something ordinary, and for most clients it happens only once during the entire time they use the product. Since the bank's founding, tens of millions of appointments have taken place. A first impression cannot be repeated, which is why special attention is paid to making this stage as fast, convenient, and clear as possible for the user.

This step is especially critical when opening business products, since every bank wants the client's account to be with them specifically. This is explained by the fact that legal entities bring in significantly more money than individuals. Newly opened individual entrepreneurs and LLCs receive dozens of calls from banks and their partners on their very first day of operation. A real battle is fought over each one. Therefore, the process must work perfectly regardless of whether the user came to us through the mobile app or through the web.

It is worth noting that T-Bank is constantly improving the appointment scheduling process. A long path has been traveled, from phone-based communication to the ability to meet with a representative on the same day with literally a single click. For every improvement introduced, the financial effect was evaluated. It can be said with

certainty that for this stage, poor functionality equals client dissatisfaction and lost revenue. Moreover, it's not only full-scale enhancements that fundamentally change the user's journey that matter, but even the wording the user sees.

Task

You need to develop the functionality for scheduling appointments for legal entities.

- The following should be taken into account when completing the work:
- The client must be able to choose the date, time, and location of the appointment
- The client must receive information about the documents they need to prepare for the appointment
- The client must know who is coming to see them
- Keep in mind that representatives travel to different addresses at different times, so their availability should be taken into account