PaceRunner Adaptive Runner's Training App





Introduction

- Running has become a highly popular fitness activity in Ireland. It is estimated that 680,000 people in Ireland run regularly. Almost **25,000** took to streets for the **2023 Dublin Marathon.**
- Many applications and devices are being offered to runners to get them marathon ready however a lot of runners are still faced a similar problem....

The Problem

- One of the persistent challenges faced by runners in Ireland and around the world is the journey from being an improver to the stage of successfully completing a full marathon.
- While the allure of conquering the 26.2-mile distance is undeniable. Many improver runners often find themselves navigating a maze of conflicting advice, struggling to tailor their training plans to their individual needs, and grappling with the fine balance between pushing their limits and avoiding injury.
- Leaving them in a state of **uncertainty** about how **to bridge the gap** between shorter distances and the marathon challenge.

Existing solutions

- Traditional running coaches can be prohibitively expensive for many.
- Static training plans, while more affordable, lack the adaptability necessary to accommodate the nuanced progress and unique profiles of runners. These plans often feel like a one-size-fits-all approach.
- Lots of apps bombard runners with an **overwhelming** amount of data can have the paradoxical effect of creating **confusion**.
- Smart training apps such as Garmin Coach while being effective have also been described as **not offering** a lot personalized training [2].

You do the running...
We do the thinking!

Our Solution

- More than just a training app, PaceRunner is a personalized mentor, a data-driven coach, and a steadfast partner in achieving marathon goals.
- PaceRunner offers dynamic training programs based on famous marathon training plans [3], That adapt to the runner's performance, mimicking a running coach at no cost
- PaceRunner provides clean and noise-free data insights to keep the runner laser-focused on the goal.
- PaceRunner's cutting-edge algorithms, driven by data analytics and personalized insights, not only estimate VO2 max [1] but also translate this information into practical pace recommendations for every training session. Using Jack Daniel's T-pace (Threshold) running program [4].

Features

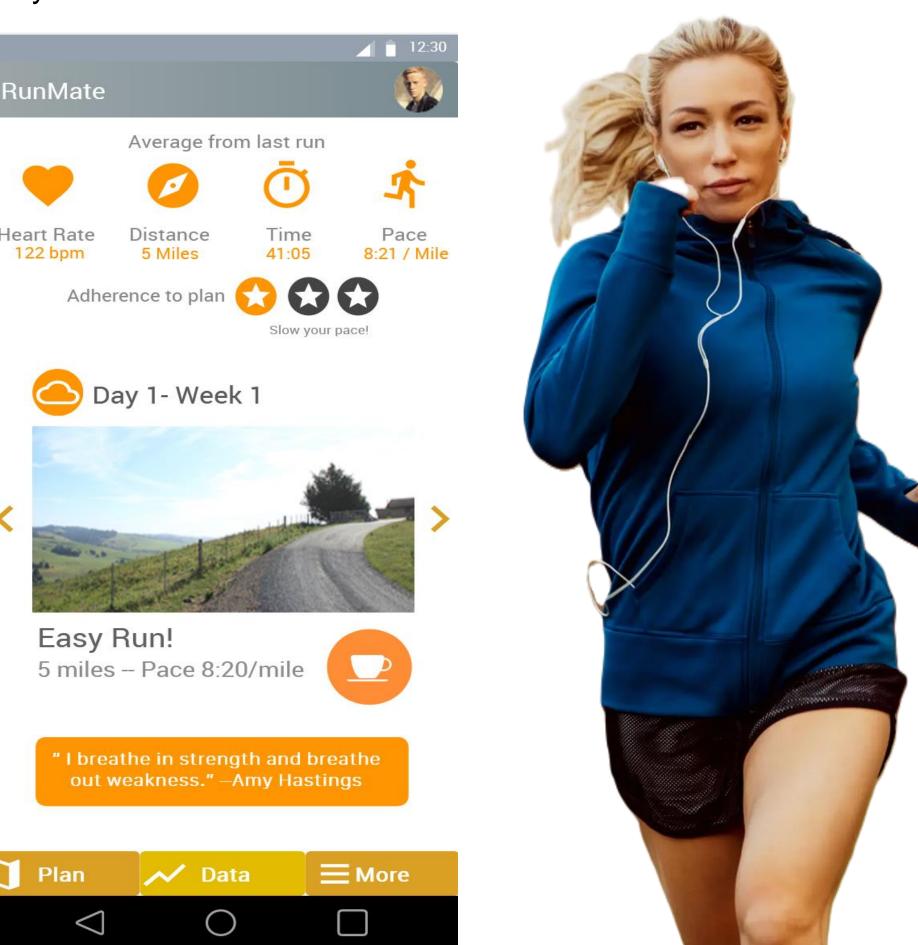
- AI-Powered Training Plans: Tailored training programs that evolve dynamically, optimizing each runner's performance.
- Easy Adjustments to plans such as extra rest days or unplanned breaks
- Runner Profile Creation: **User-friendly** registration and profile setup to fine-tune training.
 - Accessibility and Inclusivity: Suitable for runners of all tech levels with a straightforward onboarding process.
 - Motivation at Every Step: Daily messages and running tips to keep runners engaged and motivated.
 - Intuitive Interface: Mobile-focused design for easy navigation and a seamless user experience.

Usability

- Intuitive Design: A runner-friendly mobile interface for effortless navigation.
- Clean UI: letting runners be laser-focus on the run.
- Effortless Onboarding: Set up your profile and understand the app within 10 seconds.

Link up with Strava

- Seamless Data Linkage: Connect your Strava account effortlessly to PaceRunner.
- Comprehensive Data Utilization: PaceRunner harnesses Strava data, including pace, heart rate, elevation, and more, to optimize your training plans.
- Personalized Insights: Leverage the power of Strava to fine-tune your runs, aligning them perfectly with your goals and performance.
- Data-Driven Progress: With Strava integration, your runs become a data-driven journey, offering invaluable insights to help you push your limits.



References

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[3] Pfitzinger, P., Douglas, S., & Huddle, M. (2019). Advanced Marathoning. Human Kinetics. Available at: https://books.google.ie/books?id=rT6lDwAAQBAJ

[4] Daniels, J., Ph.D. (2022). What You Need to Know About Threshold Training. [Online]. Available at: https://www.runnersworld.com/advanced/a20807282/threshold-training/