Product Documentation

\* <https://sustainexe.com> 29/02/24

The requirement for this coursework has been to create a web application that uses gamification to promote sustainability on campus for people at the University of Exeter. With this goal in mind our team has created the foundations of Sustain, a web application that combines education and action in an engaging and interactive way. Our product utilises tasks such as MCQs and personal interaction to achieve the task of raising awareness towards sustainability. The current build acts as the minimum viable product, and with more development the vision for our web application will be fully realised.

The multiple-choice questions task serves as an educational tool, introducing users to sustainability concepts, practices, and challenges. The current build doesn’t have any questions loaded, but 113 MCQs have been curated from information on the University of Exeter sustainability webpage to be added at a later date. Our demo will show how a Game Keeper has the ability to add a question to the database for users to interact with.

The MCQs encourage critical thinking and reflection, while also introducing users to bite-sized information in an engaging format. This task is in line with the goals of the client, as when users encounter similar situations in real life and across campus, they can draw from the knowledge gained through the MCQs to make positive choices and build impactful habits. Some of the questions presented to users directly draw from policies put in place by the University, which informs users of ways they can collaborate with the client to increase levels of sustainability.

Example Question: What should you do with mobile phones for disposal?

Answer: Return any broken/damaged handsets to the University account manager who will arrange disposal.

Ultimately the inclusion of MCQs elevates the impact of our product in regard to sustainability through increased engagement, behavioural change, and policy advocacy. Our team also anticipates that MCQs will create a community dialogue, where students can discuss answers for particularly challenging questions, leading to collective learning and awareness.

The People Challenges section allows users to engage with notable figures on campus. These figures could be influential faculty members, sustainability experts, or campus leaders. By interacting with these people, users will create real-world connections to people that truly care about sustainable practices, which will not only work to inspire them, but also foster a commitment to sustainability beyond the game itself.

The Learning Page serves as a central hub for users seeking to enhance their understanding on sustainability. By providing relevant and concise information, it equips users to tackle the MCQs more effectively. Users can refer to the page to refresh their memory on key concepts, facts, and best practices related to sustainability. It acts as a study guide to help users prepare for challenges within the game.

# User Manual:

First a quick note from us,

We are Scrum Buddies, a passionate and tight-knit team of student developers committed to promoting sustainability through education. Our mission is to make learning about sustainability not just accessible, but also engaging and enjoyable. We believe that everyone has a role to play in protecting our planet, and we want to empower individuals to make a difference in their own unique ways. That's why we created Sustain, an innovative game that combines education and action in a fun and interactive way. In Sustain, players can challenge their knowledge about sustainability, participate in community activities, and earn XP to track their contributions. The game is designed to be both informative and entertaining, providing players with a rewarding experience as they learn about sustainability and take steps to implement sustainable practices in their daily lives. Join us in our journey towards a more sustainable future. Play, learn, and make a difference with Sustain.

**Getting Started**

Visit <https://sustainexe.com> to play Sustain. Upon loading the site, you’ll be greeted with the homepage. Navigate to the ‘Account’ option in the navbar at the top of the screen to register. After registration, go to ‘Profile’ to create your user profile. Here, you can personalise your profile by choosing a profile picture, adding a bio, and specifying your pronouns. Once your profile is set up, you’re ready to start playing! Navigate to the tasks selection, select some challenges, and begin your journey towards sustainability.

**Features and Functionality**

* Multiple choice challenges allow you to test your knowledge of sustainability. Completing these tasks earn you points that contribute to your overall score
* Engage in our QR challenges by visiting specified locations and scanning the provided QR codes. Upon scanning, you’ll be directed to a page containing a challenge. Successfully completing these challenges will earn you points.
* In People Challenges you have the opportunity to interact with notable figures on campus and gain their approval for your sustainable actions. Upon successful interaction, you will be granted a code that earns you additional points. Keep an eye out for these figures and seize every opportunity to earn these valuable points.
* The Learning Page is a comprehensive resource for enhancing your knowledge about sustainability. It provides valuable information that can help you answer the multiple-choice questions more effectively. The page also includes a sidebar with links to different ways to progress your learning journey.
* We’re constantly working to improve our application and add new features. Here are some of the features you can look forward to in the future:
  + Leaderboard: See how you stack up against other users in terms of points earned.
  + Riddles: Solve sustainability-related riddles to earn points.
  + Awards: Earn awards for achieving certain milestones in your sustainability journey.
  + Badges: Collect badges for completing tasks and challenges.
  + Location-based GPS Features: Interact with the app in different ways based on your location.
  + Bonus Events: Experience time-limited, collaborative, and prize-winning challenges, curated by the gamekeepers
  + Teams: Join a team for friendly competition and collaboration with other users

**Frequently Asked Questions**

How can I earn points?

Points can be earned by completing tasks, interacting with notable figures on campus, and participating in other activities within the web app. The more you engage with the app and it’s features, the more points you can earn.

Who can I contact for further information and assistance?

If you need further assistance, please contact our support team at support@sustainexe.com

How does the app collect and use my information?

Our application collects and uses your information in accordance with our Privacy Policy, which has been designed to be compliant with the General Data Protection Regulation (GDPR). We take your privacy very seriously. For more detailed information about how we collect, use, and protect your information, please refer to our Privacy Policy.