



Beta Presentation

Environmental Awareness with BeBot

The Capstone Experience

Team Meijer

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*From Students...
...to Professionals*

Fall 2025

Project Overview

- A Midwest-based retail company founded by Frederik Meijer in Grand Rapids, MI
- Environmental efforts go unnoticed by the public
- Engage the community through...
 - Volunteering sign ups
 - Educational modules
 - Gamified point system
 - Real-time cleanup data

Team Member's Technical Tasks

Technical Tasks Assigned

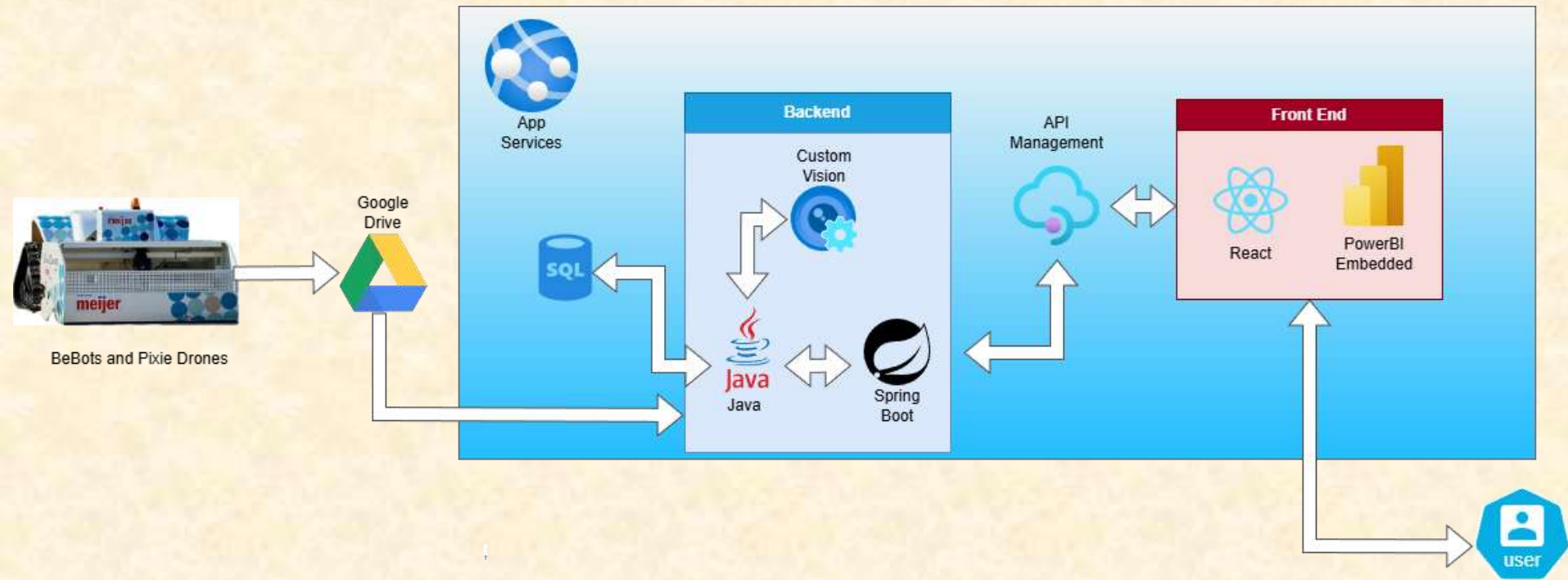
- Marcus
 - User sign up and login, including Captcha
 - Event registration and email reminders
 - Admin page and functionality
- Tess
 - Power BI integration
 - Badge system, social sharing, leaderboard, and settings
 - Admin editing historical events and user analytics
- Connor
 - Azure Map component
 - Create Sponsor page with info and submission form
 - Email and password validation
- Elliott
 - Creating several APIs to display data
 - Code to take images from Google Drive, send to Custom Vision, and update data
 - Created Azure Maps Geocoding service for event creation
- Matt
 - Implementation of front-end design
 - API to get pounds of trash collected per state
 - Making educational modules
- Christian
 - Setup/training Custom Vision AI
 - Implementation of front-end design
 - Wave Point system/Badge pop up

Technical Tasks Completed

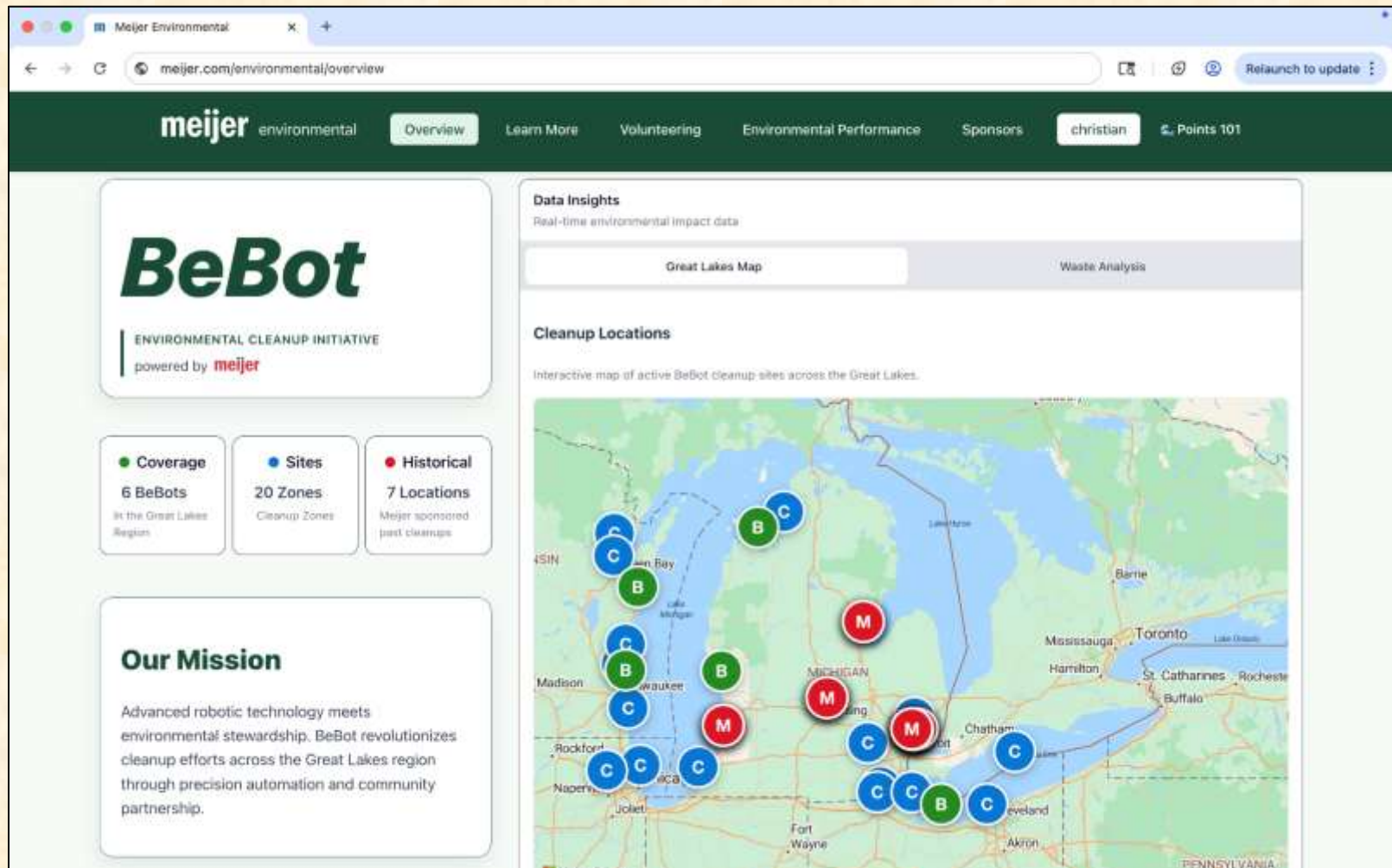
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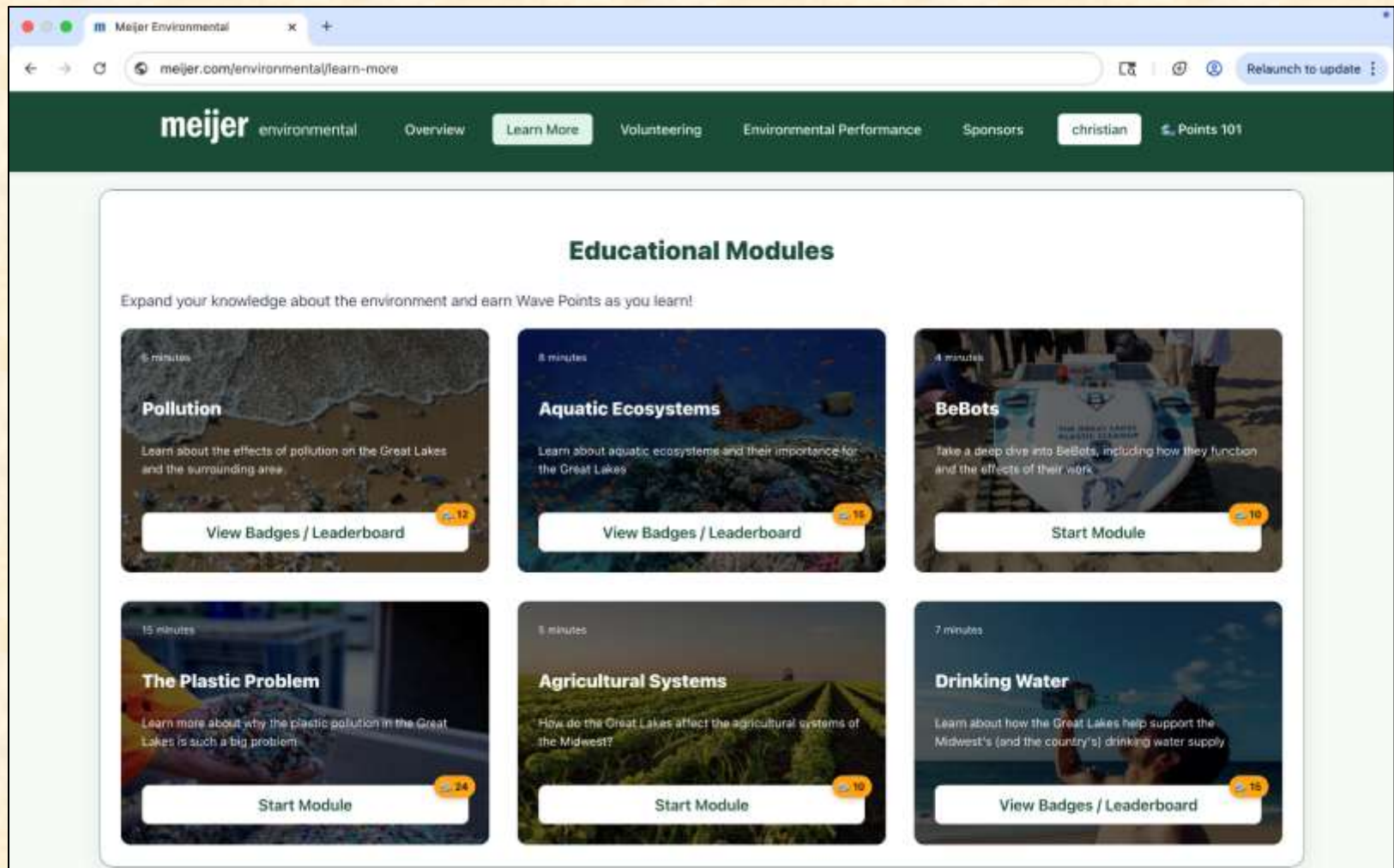
System Architecture



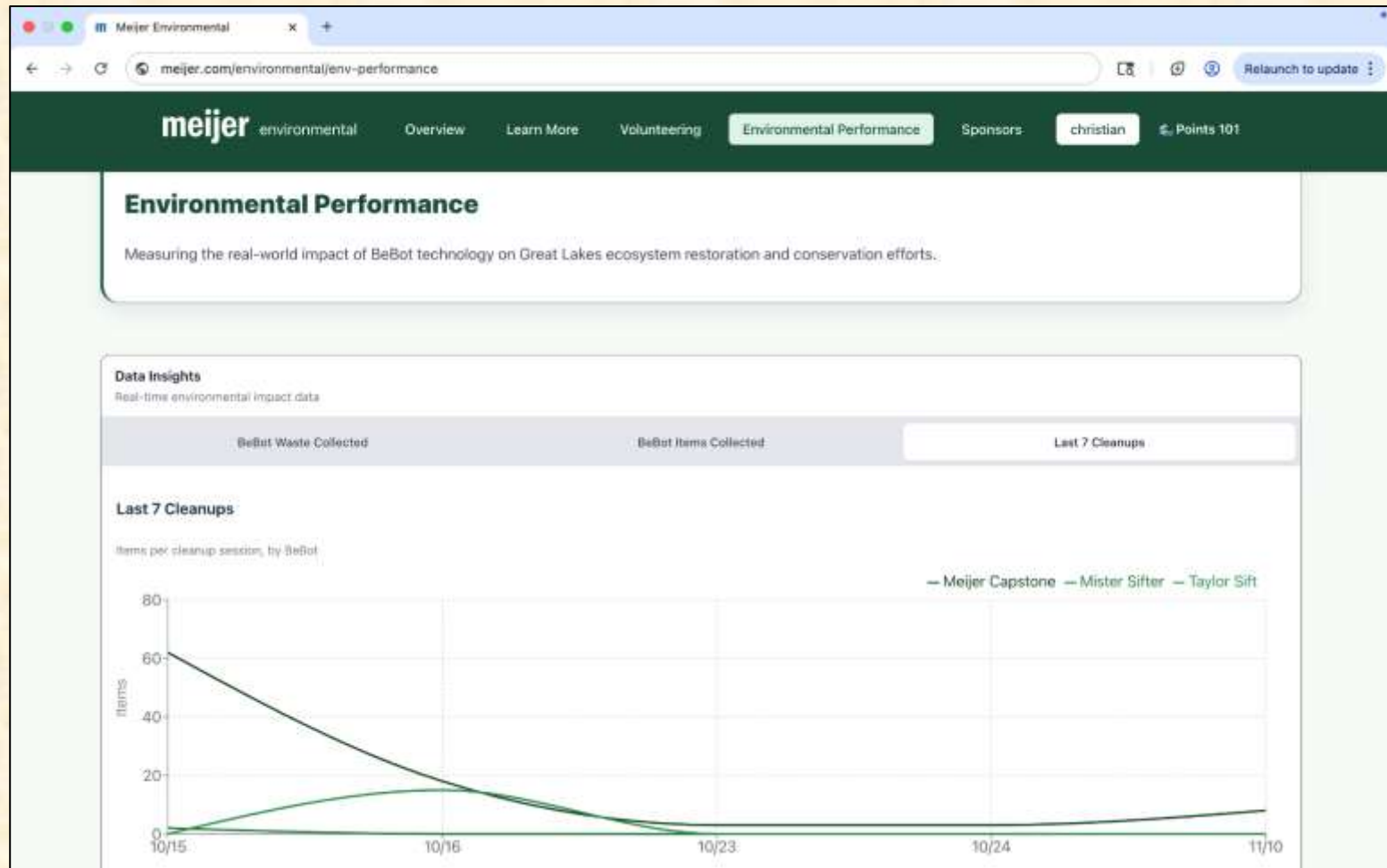
Home Screen



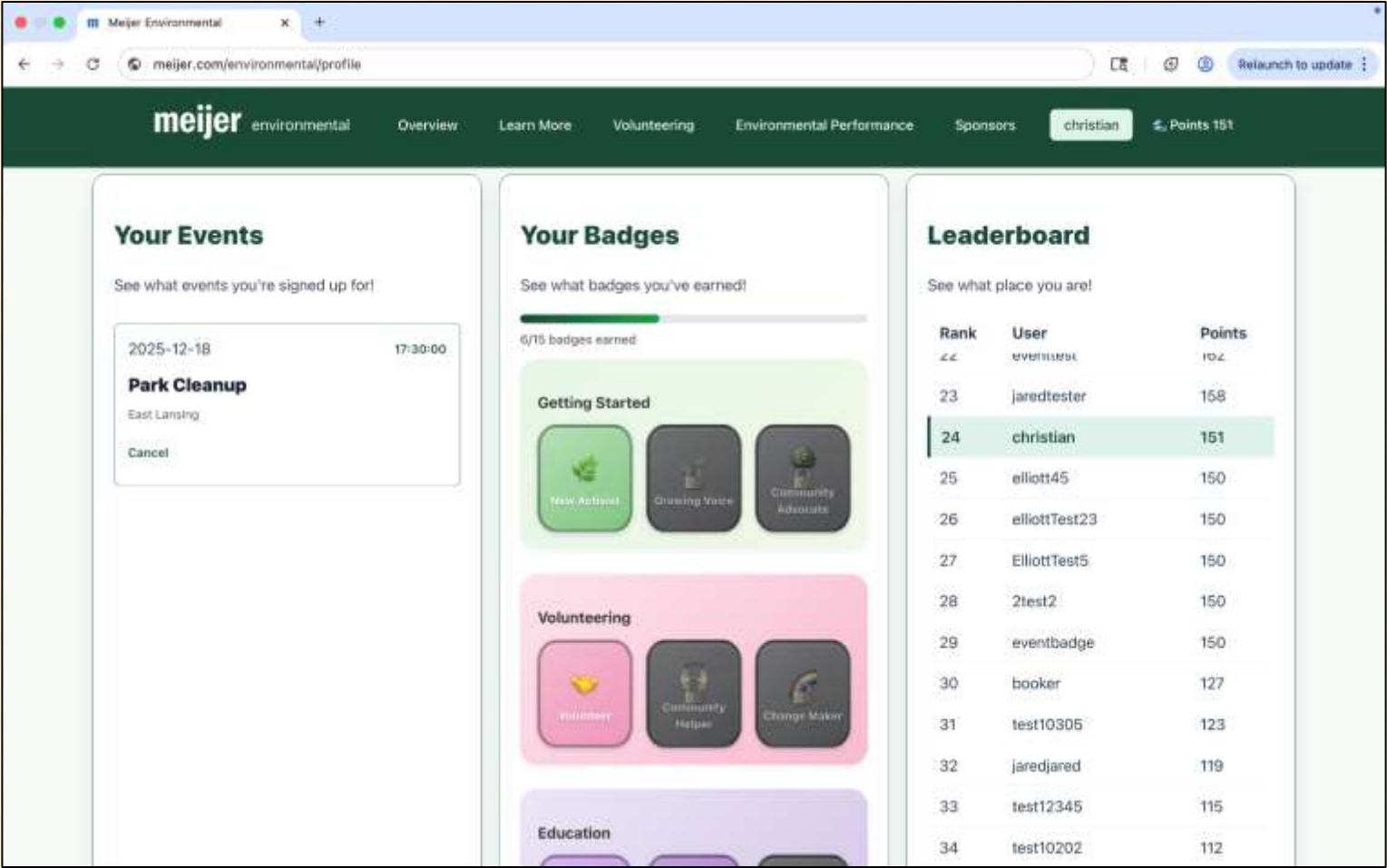
Learn More Screen



Environmental Performance Screen



Profile Screen



The screenshot shows a web browser window with the URL `meijer.com/environmental/profile`. The page has a dark green header with the Meijer logo and navigation links: Overview, Learn More, Volunteering, Environmental Performance, Sponsors, and a dropdown menu for 'christian' showing 'Points 151'. The main content area is divided into three columns:

- Your Events**: A section titled 'See what events you're signed up for!'. It contains a single event card for 'Park Cleanup' on '2025-12-18' at '17:30:00' in 'East Lansing'. A 'Cancel' button is at the bottom.
- Your Badges**: A section titled 'See what badges you've earned!'. It shows a progress bar for '6/16 badges earned'. Below are three categories: 'Getting Started' (New Activist, Growing Voice, Community Advocate), 'Volunteering' (Volunteer, Community Helper, Change Maker), and 'Education' (partially visible).
- Leaderboard**: A section titled 'See what place you are!'. It contains a table of users and their points.

Rank	User	Points
23	jaredtester	158
24	christian	151
25	elliott45	150
26	elliottTest23	150
27	ElliottTest5	150
28	2test2	150
29	eventbadge	150
30	booker	127
31	test10305	123
32	jaredjared	119
33	test12345	115
34	test10202	112



What's left to do?

- Features
- Stretch Goals
 - Adding event location, on admin page, from map click
- Other Tasks
 - Fixing bugs
 - Final deployments on Azure



Questions?

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