| Story No. | Story Points | Summary | Team's Final Bucket Assignment | | | | |
|---|---|---|---|---|---|---|---|
| | | | 1 | 2 | 3 | 4 | 5 |
| 1 | 3 | Develop a RISC-V board programming script to activate a green LED light, facilitating a practical demonstration of embedded systems and low-level hardware control. | 3 | 3 | 2 | 3 | 3 |
| 2 | 1 | Create an HTML webpage from scratch, incorporating CSS for stylish formatting, enabling an aesthetically pleasing and functional web presence that resonates with your audience's visual preferences and usability. | 1 | 1 | 1 | 1 | 1 |
| 3 | 3 | Create a basic snake game with the Godot or Unity game engine, showcasing game development skills by implementing core mechanics like snake movement, food generation, and score tracking. | 3 | 5 | 3 | 3 | 5 |
| 4 | 13 | Leverage React to build a dynamic WebApp proficient in gathering and processing data from various APIs, fostering an interactive user experience through data manipulation and visualization. | 13 | 8 | 13 | 13 | 8 |
| 5 | 13 | Design a novel programming language centered on the comparison of Unit types, enabling precise and expressive unit-based calculations and operations for scientific and engineering applications. | 13 | 13 | 13 | 13 | 13 |
| 6 | 13 | Develop a Quash terminal as part of the EECS 678 course, enhancing command-line capabilities and system interaction with custom features and functions tailored to the course curriculum. | 13 | 13 | 13 | 13 | 13 |
| 7 | 5 | Conceptualize and create a user registration and login webpage, encompassing user-friendly design, secure data handling, and seamless functionality for streamlined access to your digital platform. | 3 | 5 | 3 | 8 | 5 |
| 8 | 8 | Integrate a robust email verification system for new user registrations, enhancing security and confirming user authenticity through email confirmation links or codes, ensuring a secure and reliable user base. | 5 | 8 | 8 | 5 | 8 |
| 9 | 8 | Architect a comprehensive database schema to efficiently categorize and store product information, ensuring optimal organization and retrieval of data, fostering an effective and scalable product management system. | 8 | 8 | 3 | 8 | 5 |
| 10 | 13 | Craft a user-centric product listing page, incorporating intuitive filter and search features to facilitate seamless navigation, enabling users to easily locate and explore products tailored to their preferences. | 13 | 13 | 13 | 13 | 13 |
| 11 | 5 | Integrate user reviews and ratings into product listings, fostering transparency and informed decision-making by allowing customers to share feedback and assess product quality, enriching the shopping experience. | 8 | 8 | 5 | 5 | 5 |
| 12 | 13 | Undertake the ambitious project of developing a self-driving car, incorporating advanced sensor technology, machine learning algorithms, and robust safety features to achieve autonomous navigation on roads. | 13 | 13 | 13 | 13 | 13 |
| 13 | 2 | Develop a Python/C++ program to analyze a novel, providing a comprehensive word-level letter count analysis, enabling detailed insights into word frequency and letter distribution within the text. | 2 | 2 | 2 | 3 | 2 |
| 14 | 1 | Implementing a Fibonacci sequence generator within the context of EECS 168, demonstrating algorithmic skills and mathematical understanding to generate the sequence efficiently and accurately.s | 1 | 1 | 1 | 1 | 1 |
| 15 | 13 | Develop an interactive digital planner/calendar using React for the frontend and C# for the backend. This intuitive system enables users to schedule, modify, and receive reminders for appointments efficiently. | 13 | 13 | 13 | 13 | 13 |
| 16 | 5 | Build a user-friendly, web-based calculator application using the React framework, offering basic arithmetic operations for mathematical computations, exemplifying React's frontend capabilities in a practical context | 2 | 5 | 5 | 3 | 5 |
| 17 | 8 | Conceive a passive entertainment experience by crafting a game with evolving gameplay, user account integration, and performance analytics, blending enjoyment with valuable insights into user engagement patterns. | 5 | 8 | 5 | 13 | 8 |
| 18 | 8 | Design a program that reads a file containing coordinates, extracts the data, and generates a map or visual representation using the provided geographical coordinates for enhanced spatial visualization. | 8 | 13 | 8 | 8 | 8 |
| 19 | 8 | Develop a sophisticated particle system, generating random particles in a simulated environment. Observe dynamic interactions, collisions, and patterns as they respond to defined physics rules, showcasing intricate virtual phenomena. | 8 | 13 | 3 | 8 | 13 |
| 20 | 5 | Construct an interactive digital piano using programming. Upon pressing specific computer keys, corresponding musical notes emanate, transforming the regular keyboard into a melodic instrument, bridging music and technology seamlessly. | 5 | 8 | 5 | 5 | 8 |
| 21 | 1 | Develop a singly linked list data structure and implement data manipulation operations, demonstrating proficiency in fundamental data structures and algorithms for efficient data handling and manipulation. | 1 | 1 | 1 | 1 | 1 |
| 22 | 3 | Design a maze-solving algorithm using recursion and backtracking. When confronted with dead-ends, it retraces steps, seeking new paths, exemplifying adaptive, intelligent navigation through complex labyrinths. | 3 | 3 | 3 | 3 | 3 |
| 23 | 2 | Expertly manipulate spatial data structures by crafting a 2D vector class, facilitating critical operations such as dot product calculations and magnitude assessments, crucial for graphics and physics computations. | 2 | 5 | 2 | 1 | 2 |
| 24 | 2 | Construct a multiplication table using PHP within the context of EECS 448, showcasing proficiency in PHP scripting and algorithmic logic to generate an organized and informative mathematical tool. | 2 | 2 | 2 | 3 | 1 |