



Beta Presentation

Time Cube

The Capstone Experience

Team Vectorform

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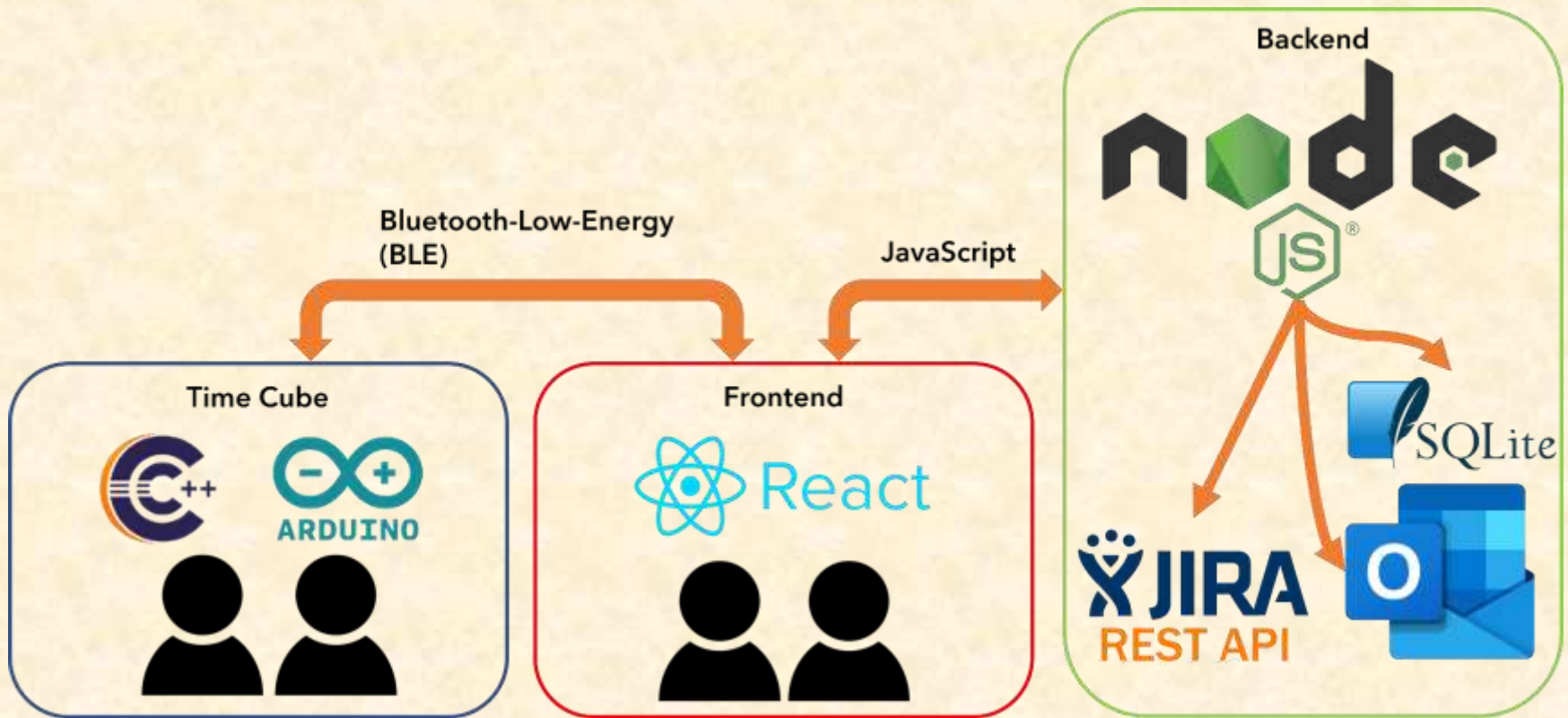


*From Students...
...to Professionals*

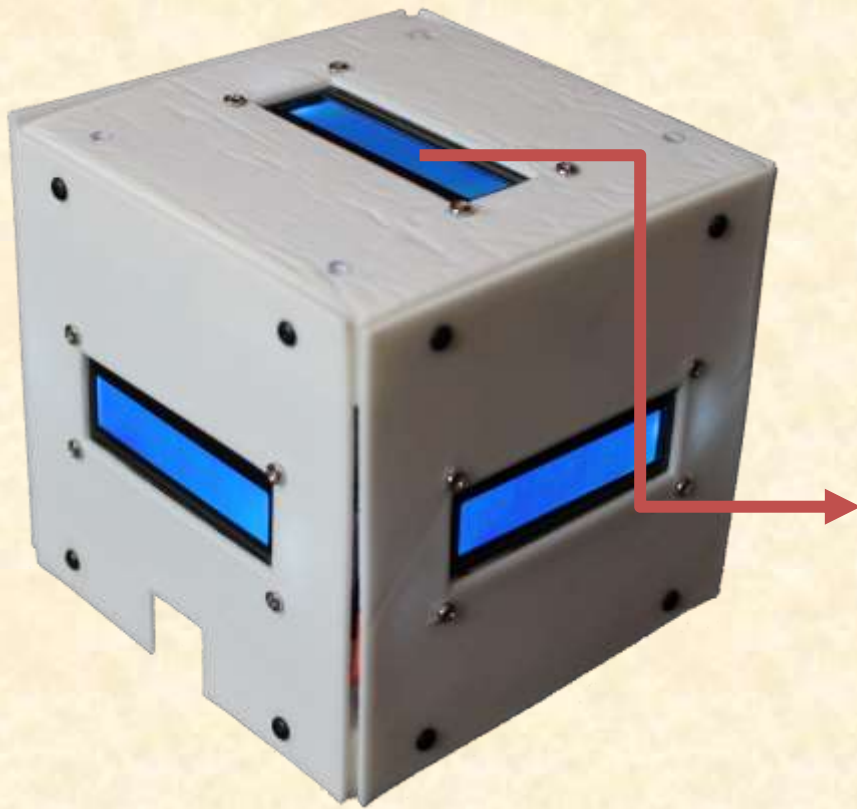
Project Overview

- Time Cube
 - Web application that tracks time spent on billable projects
 - Using a physical device
 - To provide accurate, automatic time tracking
 - Electronically without intruding on employee privacy
 - Ability to add, change, and remove time entries

System Architecture



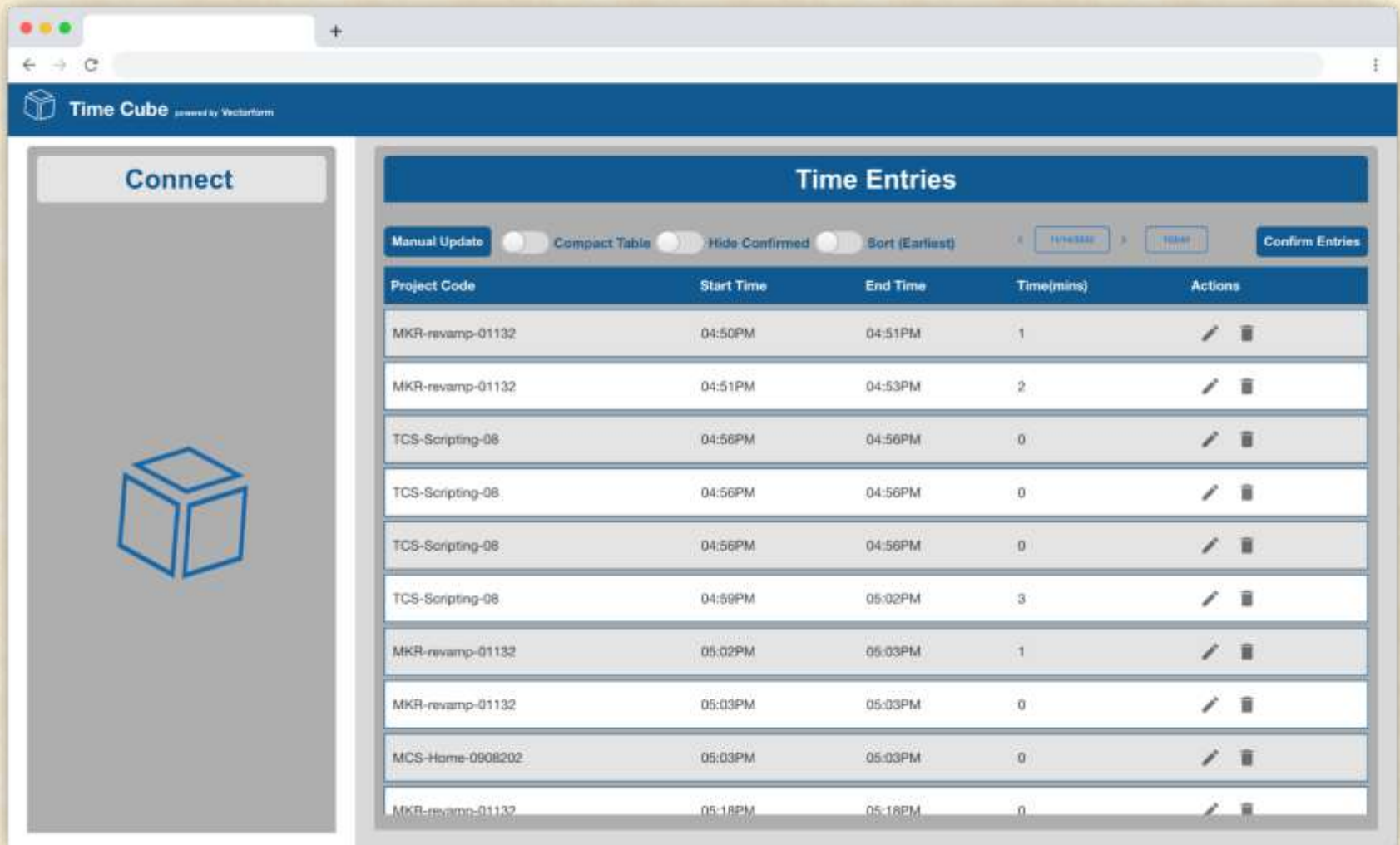
Time Cube Populated



Time-Cube-03

4195-HMI-WIDGET
ACTIVE 100%

Web Application



The screenshot displays the 'Time Cube' web application, powered by Vectorform. The interface is divided into two main sections: a 'Connect' sidebar on the left and a 'Time Entries' table on the right.

Connect Sidebar: Features a large blue cube icon and the text 'Connect' at the top.

Time Entries Table: The table header includes 'Project Code', 'Start Time', 'End Time', 'Time(mins)', and 'Actions'. The table contains 10 entries with alternating light blue and white rows. The 'Actions' column for each entry contains a pencil icon (edit) and a trash can icon (delete).

Table Data:

Project Code	Start Time	End Time	Time(mins)	Actions
MKR-revamp-01132	04:50PM	04:51PM	1	
MKR-revamp-01132	04:51PM	04:53PM	2	
TCS-Scripting-08	04:56PM	04:56PM	0	
TCS-Scripting-08	04:56PM	04:56PM	0	
TCS-Scripting-08	04:56PM	04:56PM	0	
TCS-Scripting-08	04:59PM	05:02PM	3	
MKR-revamp-01132	05:02PM	05:03PM	1	
MKR-revamp-01132	05:03PM	05:03PM	0	
MCS-Home-0908202	05:03PM	05:03PM	0	
MKR-revamp-01132	05:18PM	05:18PM	0	

Table Controls: Above the table, there are several controls: 'Manual Update' (button), 'Compact Table' (toggle), 'Hide Confirmed' (toggle), 'Sort (Earliest)' (dropdown), a date range selector showing '10/16/2022' to 'TODAY', and a 'Confirm Entries' button.



Web Application: During Use

The screenshot displays the 'Time Cube' web application, powered by Vectorform. The interface is divided into a sidebar on the left and a main content area on the right.

Sidebar (Left):

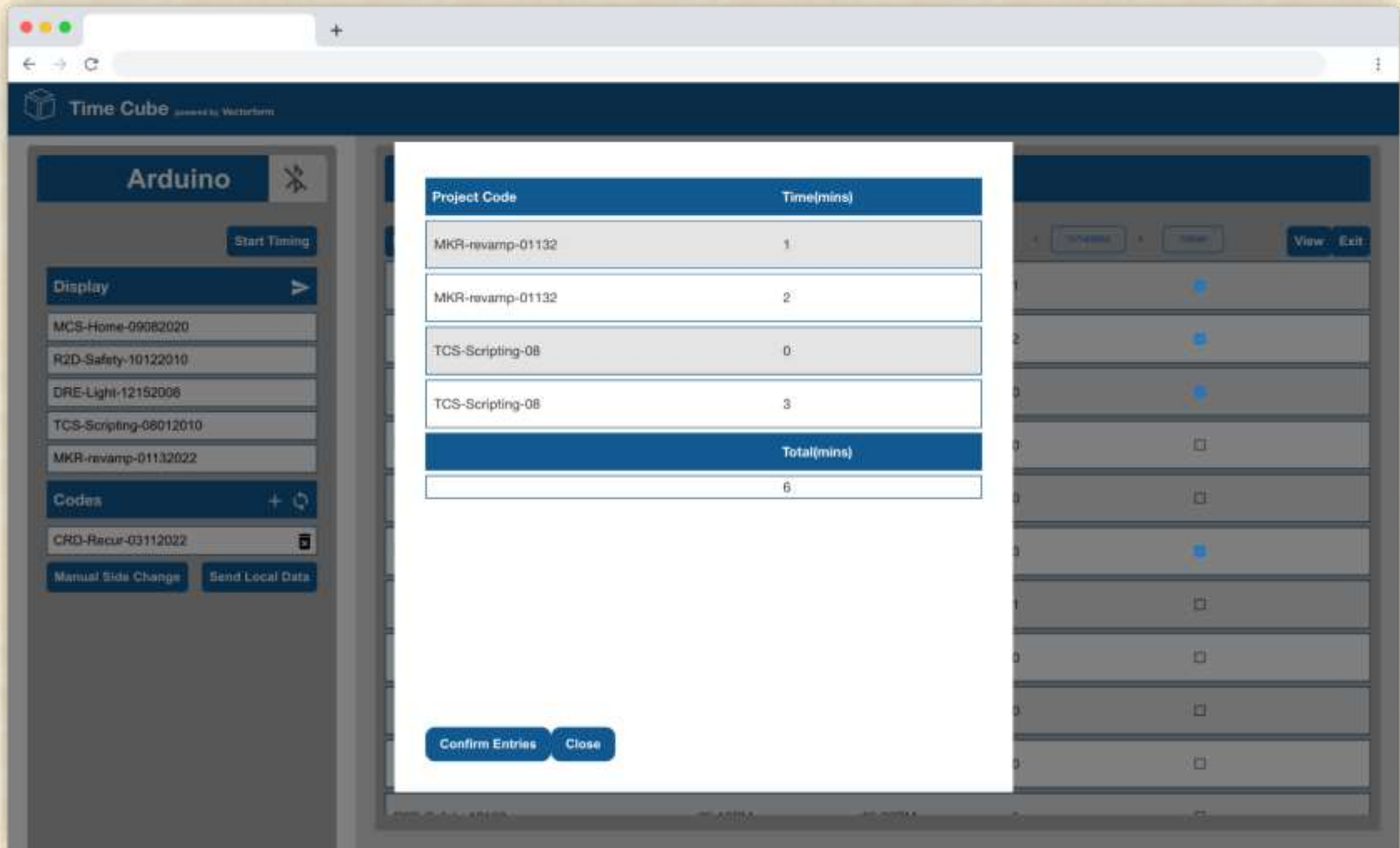
- Arduino** section with an 'End Timing' button.
- Display** section with a list of project codes: MCS-Home-09082020, R2D-Safety-10122010, DRE-Light-12152008, TCS-Scripting-08012010, and MKR-revamp-01132022.
- Codes** section with a search bar containing 'CRD-Recur-03112022' and a 'Manual Side Change' button.
- Send Local Data** button.

Main Content Area (Right):

Time Entries section with filters: Manual Update (off), Compact Table (off), Hide Confirmed (off), Sort (Earliest), and a date range selector (10/14/2020 to 10/14/2020). A 'Confirm Entries' button is also present.

Project Code	Start Time	End Time	Time(mins)	Actions
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TCS-Scripting-08	04:56PM	04:56PM	0	
TCS-Scripting-08	04:56PM	04:56PM	0	
TCS-Scripting-08	04:56PM	04:56PM	0	
TCS-Scripting-08	04:59PM	05:02PM	3	
MKR-revamp-01132	05:02PM	05:03PM	1	
MKR-revamp-01132	05:03PM	05:03PM	0	
MCS-Home-09082020	05:03PM	05:03PM	0	
MKR-revamp-01132	05:18PM	05:18PM	0	

Confirming Entries



The screenshot shows the Time Cube web application interface. A modal dialog is open in the center, displaying a table of project entries for confirmation. The background interface includes a sidebar with 'Arduino' and 'Codes' sections, and a main area with a list of project entries.

Project Code	Time(mins)
MKR-revamp-01132	1
MKR-revamp-01132	2
TCS-Scripting-08	0
TCS-Scripting-08	3
Total(mins)	
	6

At the bottom of the dialog are two buttons: 'Confirm Entries' and 'Close'.



What's left to do?

- Stretch Goals
 - Make Local Bluetooth Disconnect Automatic
 - Text Scrolling on the Cube
 - Webapp Battery Widget
- Other Tasks
 - Bug Fixes
 - Clean Up Code
 - Improve UI

Questions?

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