

**MICHIGAN STATE**  

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**UNIVERSITY**

# Alpha Presentation

## PlanIt Capacity Planning Tool

The Capstone Experience

Team Atomic Object

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

Department of Computer Science and Engineering  
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Fall 2020

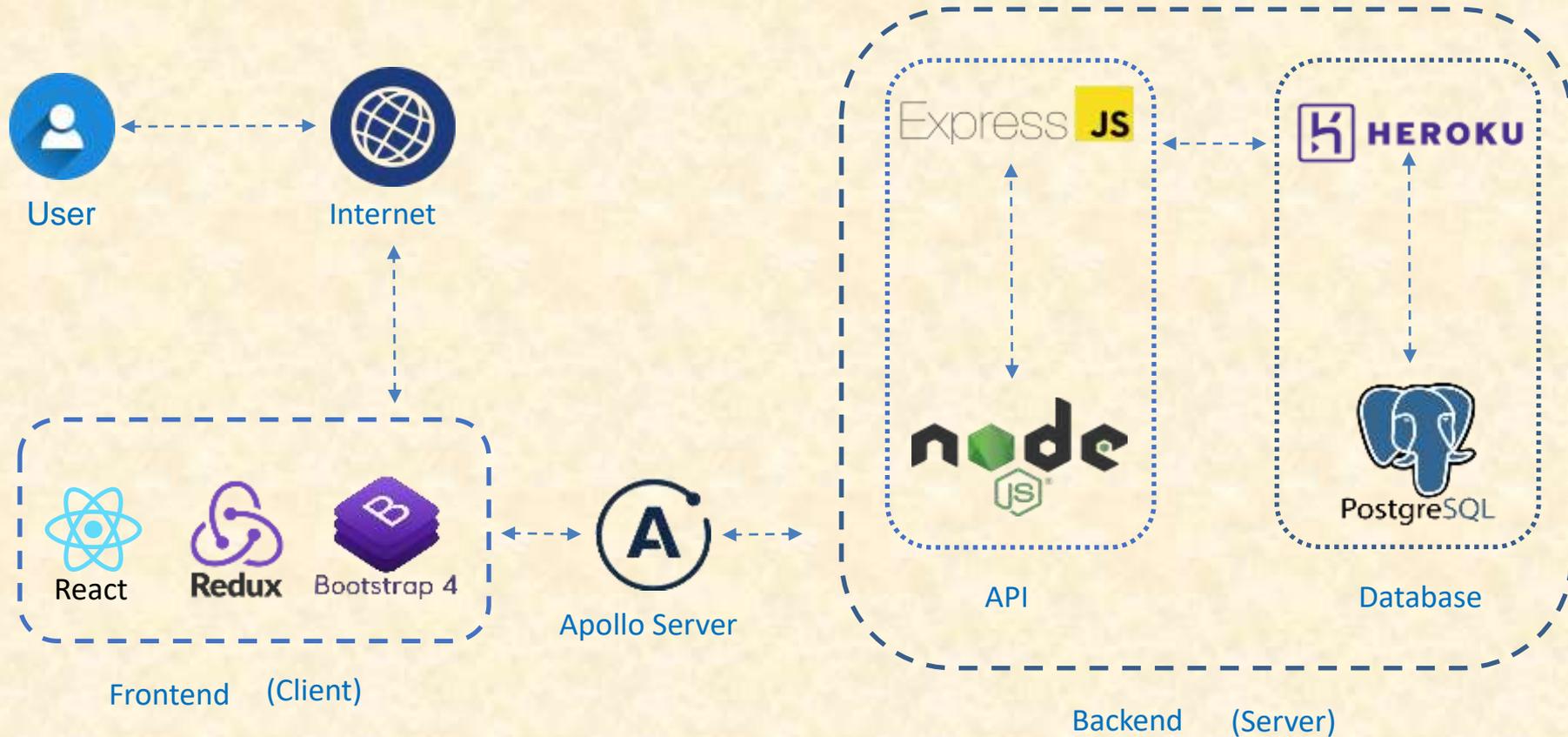
# Project Overview

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- PlanIt is a capacity planning tool used to manage project teams and allocate resources.
- The timeline view allows you to quickly visualize how your workforce is allocated.
- Simple edits can be made by using the modals.



# System Architecture



# Timeline View

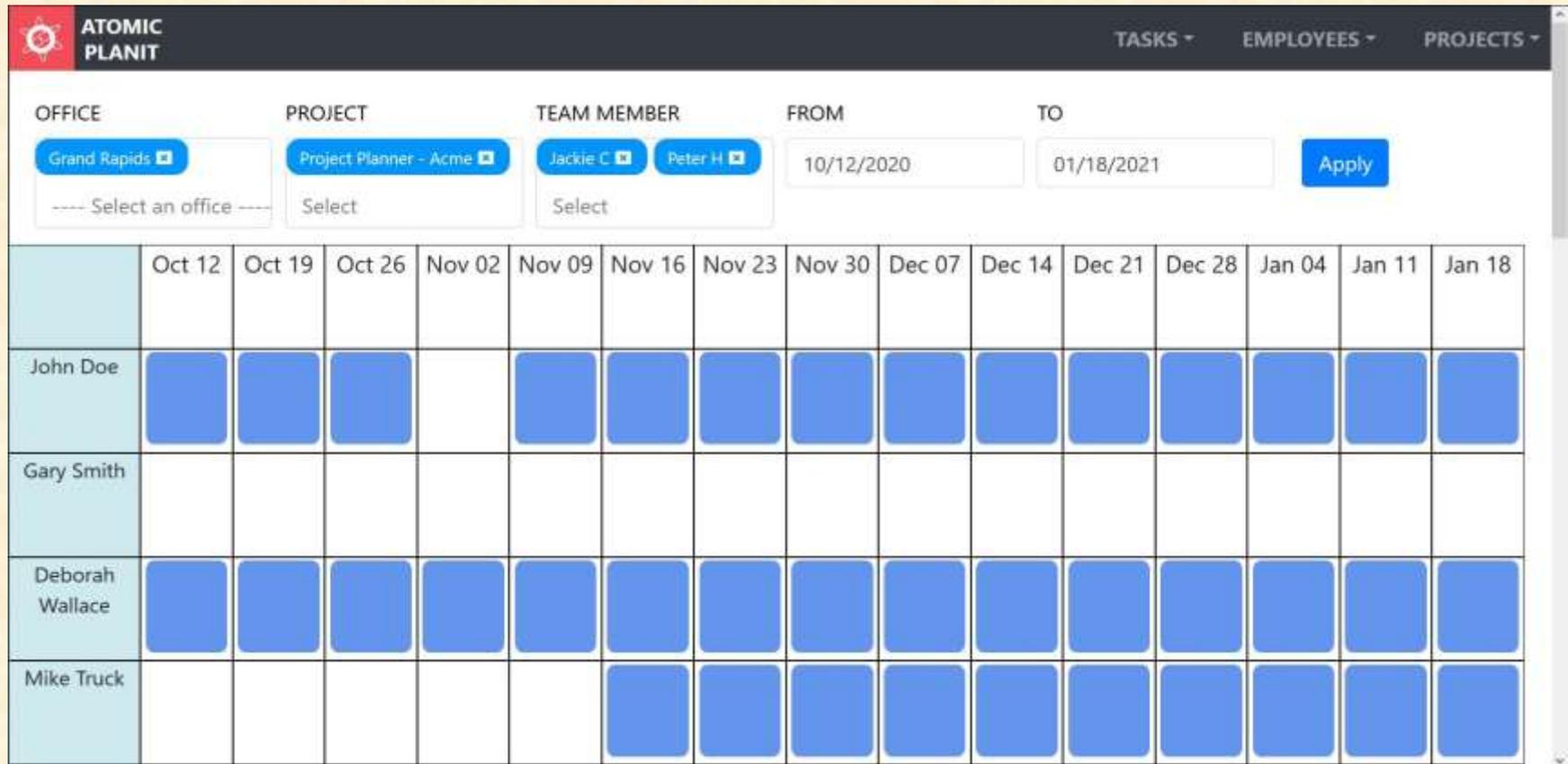
ATOMIC PLANIT TASKS ▾ EMPLOYEES ▾ PROJECTS ▾

OFFICE:  PROJECT:  TEAM MEMBER:  FROM:  TO:  Apply

	Oct 12	Oct 19	Oct 26	Nov 02	Nov 09	Nov 16	Nov 23	Nov 30	Dec 07	Dec 14	Dec 21	Dec 28	Jan 04	Jan 11	Jan 18
John Doe	█	█	█		█	█	█	█	█	█	█	█	█	█	█
Gary Smith															
Deborah Wallace	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
Mike Truck						█	█	█	█	█	█	█	█	█	█



# Timeline Filters



# Modal Box: Add an Employee

The screenshot displays the ATOMIC PLANIT application interface. At the top left is the logo and name 'ATOMIC PLANIT'. On the top right are navigation tabs for 'TASKS', 'EMPLOYEES', and 'PROJECTS'. Below these are filter controls for 'OFFICE' (a dropdown menu showing '---- Select an office ----'), 'PROJECT' (a dropdown menu showing 'Select'), 'TEAM MEMBER' (a dropdown menu showing 'Select'), 'FROM' (a date field showing '10/12/2020'), and 'TO' (a date field showing '01/18/2021'). An 'Apply' button is located to the right of the date fields. The main area is a calendar grid with columns for dates: Oct 12, Oct 19, Oct 26, Nov 02, Nov 09, Nov 16, Nov 23, Dec 01, Dec 08, Dec 15, Dec 22, Dec 28, Jan 04, Jan 11, Jan 18. The grid contains names of team members in the first column: John Doe, Gary Smith, Deborah Wallace, and Mike Truck. A modal box titled 'Add An Employee' is overlaid on the calendar. It has a red header and contains the following fields: 'FIRST NAME' with the value 'Angela', 'LAST NAME' with the value 'Michaels', and 'OFFICE' with a dropdown menu showing '1. Grand Rapids'. At the bottom of the modal are 'Submit' and 'Cancel' buttons.



# Modal Box: Add a Project

The screenshot shows the 'Add A Project' modal box in the ATOMIC PLANIT application. The modal is overlaid on a calendar grid. The modal contains the following fields and controls:

- PROJECT NAME:** A text input field containing the text "Plant".
- CLIENT:** A dropdown menu showing "Atomic".
- PROJECT COLOR:** A color picker interface showing a blue color with the hex code "#2451F0" and the label "HEX".
- PROJECT SOLD:** A checked checkbox.
- Buttons:** "Confirm" and "Cancel" buttons at the bottom of the modal.

The background application interface includes the ATOMIC PLANIT logo, navigation tabs for TASKS, EMPLOYEES, and PROJECTS, and a calendar grid with columns for dates (Oct 12, Oct 19, Oct 26, Dec 28, Jan 04, Jan 11, Jan 18) and rows for employees (John Doe, Gary Smith, Deborah Wallace, Mike Truck). An "Apply" button is visible in the top right of the background interface.



# What's left to do?

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- Slack Integration
- Filter timeline functionality
- Click and drag functionality
- Assignments data structure
- Multiple colors of tiles
- Multiple tiles per cell
- Finalize styling



# Questions?

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