

SIH 2020

Ministry/ Organization name: Government of Sikkim

Problem Statement : SG434 (Data Storage and analytics with Dashboard)

Team Name : dev_yeah

Team Leader Name : Ritika Mishra

College Code :

SOLUTION

WHAT?

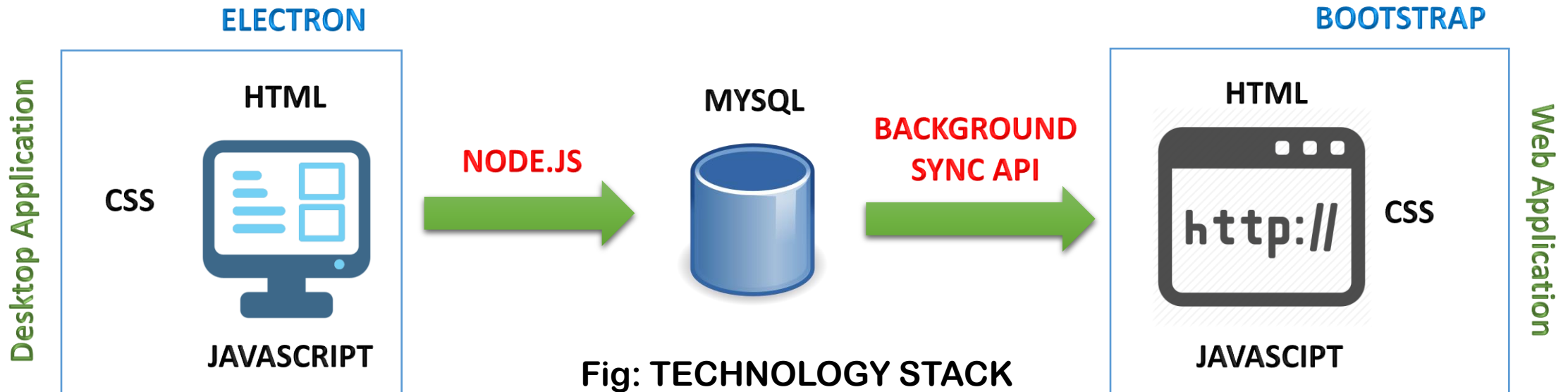
Design a desktop based application which connects to the database, and further to the web application. For this the web application also needs to be designed for the connectivity with the database whenever network is available.

WHY?

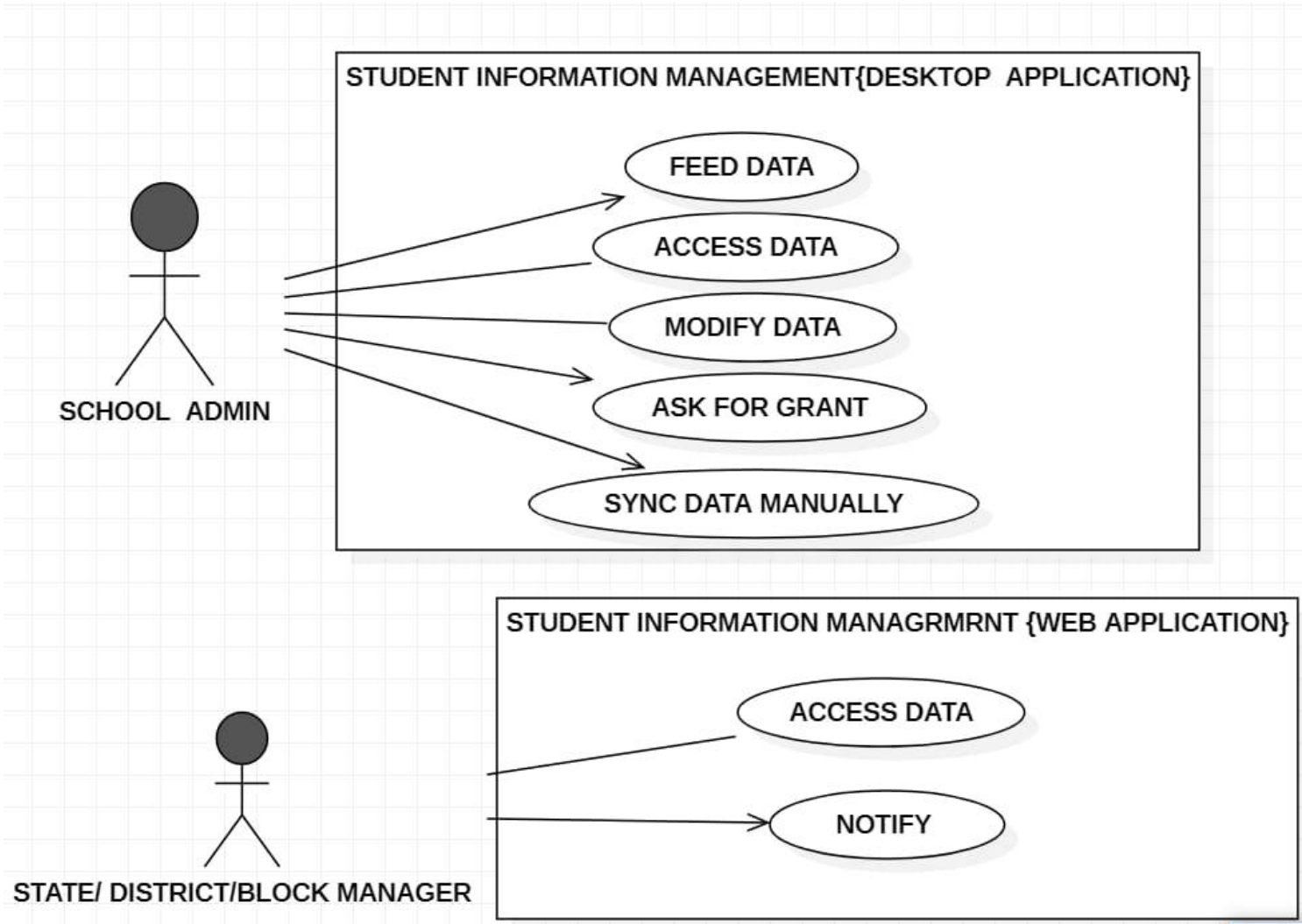
With its tough terrain and challenging network, maintained record of students will be of utmost importance to the Govt of Sikkim for the proper management of data.

HOW?

- Platform independent desktop based application using Javascript ,HTML, CSS with Electron framework.
- Javascript ,HTML ,CSS ,Bootstrap being the framework of the entire web application.
- MySQL for the database management system.
- With Background sync API, data can be synced whenever we have stable connectivity.



USE CASE



What type of data?

Data like attendance or students as well as teachers, marks of students, and other statutory data as required by education department.

What type of grant?

Grant like scholarships or money for infrastructural development.

What type of notification?

Notifications about any change to be implemented or any new announcement like scholarships.

DEPENDENCIES:

With the proposed block diagram and the methodology, we are confident to develop working prototype and there are no dependencies as of now.