**Group 2: Dropbox Diagnostics Project**

* Names of all team members
  + Jeevan Roka
  + Joshua Tandio
  + Anjal Gajurel
  + Raahul Pathak
* Responsibilities of each team member
  + Jeevan Roka:
    - Create ten preliminary designs, brainstorm
    - Build the Desktop prototype
    - Incorporated feedback for desktop design
    - Find user studies responder
  + Joshua Tandio:
    - Create ten preliminary designs, brainstorm
    - Build the Mobile prototype
    - Find user studies responder
    - Worked on questionnaire
    - Incorporated feedback for mobile design
    - Analyze the user study
  + Anjal Gajurel:
    - Create ten preliminary designs, brainstorm
    - Build the Mobile prototype
    - Find user studies responder
    - Convert the prototype to UI
  + Raahul Pathak:
    - Create ten preliminary designs, brainstorm
    - Build the Desktop prototype
    - Find user studies responder
    - Prepare the presentation
    - Created questionnaire

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* Overview

Goal 1: Design a practical and easy to use interface to show dropbox diagnostics on various levels of management.

* + Goal 2: Reveal current drop box utilization and maintenance conditions.
    - Understand drop box usage patterns
    - Detect over or underutilized drop boxes
    - Discover boxes that need battery replacement or other maintenance
  + FedEx systems will provide needed data in real time
  + All drop boxes are connected online and provide status updates every 15 minutes
  + There are no constraints on server storage or processing power
  + Mobile devices will at times have limited or no data coverage
  + At system launch, all existing drop boxes will be pre-loaded into the system
  + Login will be handled by FedEx Authentication Services
  + Employees only have access to certain information based on their status.
* Justification for design decisions
  + To build an easy to visually appealing design while making it intuitive to use.
  + All decisions were made to increase the appeal of the project while increasing usability of it.
* Changes made to final design
  + Desktop design
    - Added submit buttons to pages
    - Added another report maintenance page.
    - Added another search page to show results.
  + Mobile design
    - Add filters and sort button
    - Add priority order in the notification
    - Consider background and color selection for readability
    - Present the dropbox diagnostic metric in a uniform format
* Justification for disregarded feedback
  + Desktop design
    - All feedback was incorporated. No feedback was disregarded.
  + Mobile design
    - We did not change the notification alert to chronological, because we think the urgency order is better for diagnostic purposes.
* Problems encountered in project and how they were overcome
  + Desktop design
    - Problem: learning Figma, bootstrap, CSS, various functionality issues
    - Solved by asking group members for help and looking up solutions via Google.
    - Otherwise, the project went smoothly.
  + Mobile design
    - Problem: learning Figma, bootstrap, CSS, various functionality issues
    - Solved by asking group members for help and looking up solutions via Google.
    - Otherwise, the project went smoothly.
* User manual for software
  + Look at README file.
  + The file will work for both the desktop and mobile interfaces.
* Name of software used and third party libraries
  + Prototyping
    - Figma
  + Final design
    - Visual Studio Code
    - Notepad++
    - Bootstrap v5