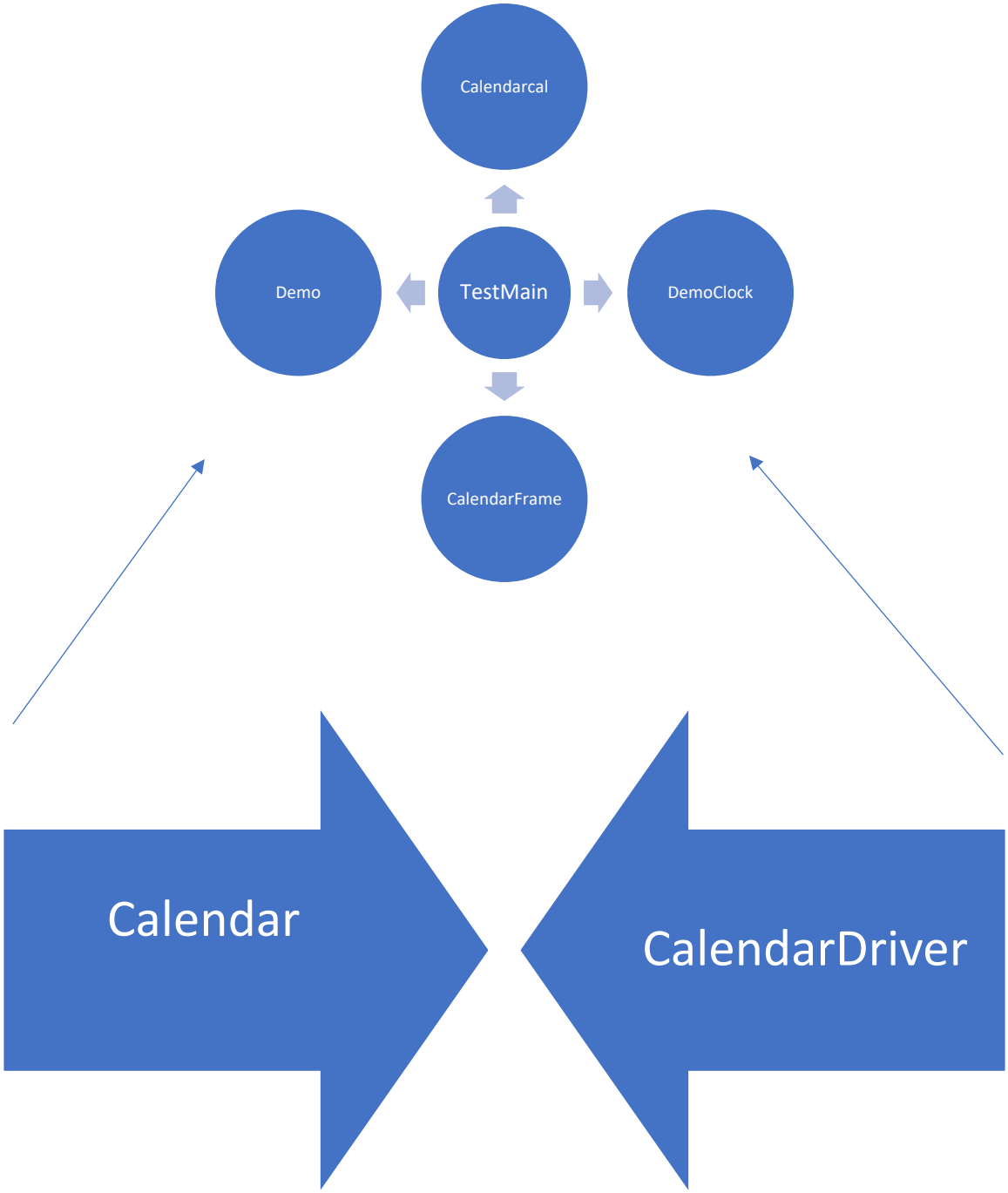
Storm Simpson

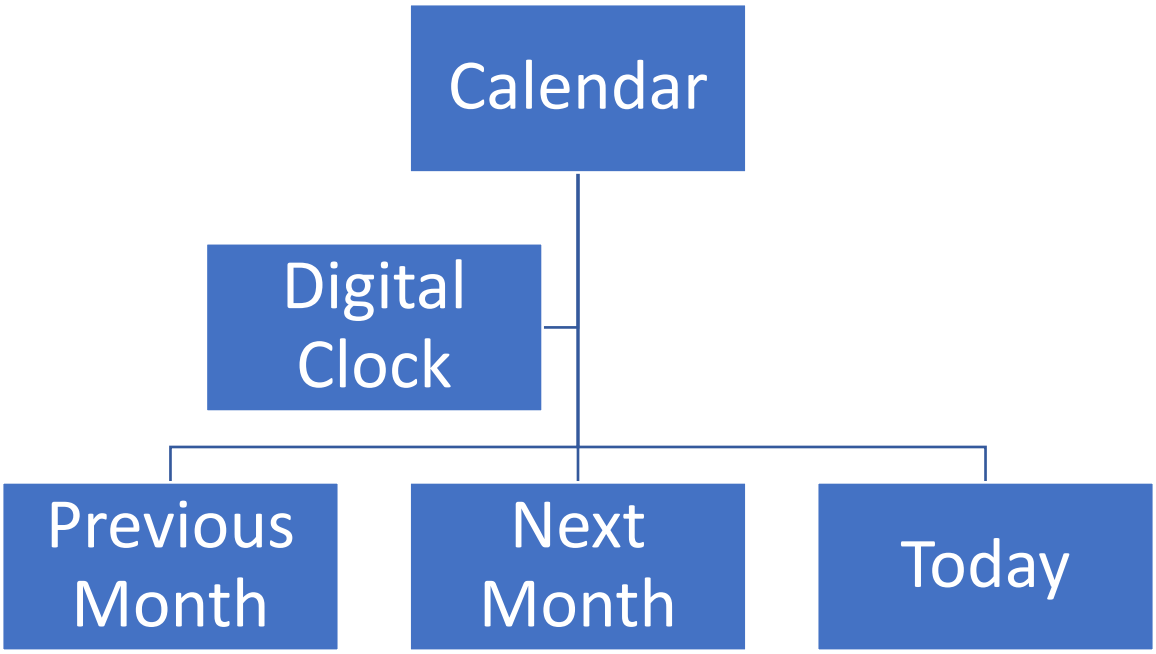
- Design Specification
  - The application is designed to work the way a standard calendar would on one's computer, phone, tablet, or any other electronically-based format. While displaying dates, it would also take user input to take in events important to the specific user (such as test dates, birthdays, etc.), store the information, and display it along w/ any other configurations made in the calendar. The database is hosted locally.
  - The GUI calls specific methods created throughout various classes, allowing certain buttons to be pressed within the calendar, and allows for user input to be passed through the methods, updating the calendar.
  - Testing was done in regard to the GUI and the code applications alike. Making sure that the drivers connected to their respective classes. Once the GUI was created, it was tested to ensure that it properly called methods and that user input was going to the correct area of the database.
  - Currently, the calendar/clock that has been created is deployable, and should work for MacOS and Windows w/ no issues. MySQL is not required to be installed on the machine by the user to run this program.

Java Class Layout

- TestMain
  - The general main method for the files
- Calendarcal & CalendarFrame
  - These two classes work in conjunction w/ one another are the main class for the calendar in regard to displaying it and giving the user an actual object to be displayed
- Demo
  - This class was used for testing small logic for other files
- DemoClock
  - This is the class that was used for displaying the digital clock to be displayed in conjunction along w/ the digital calendar.
- CalendarDriver
  - Incredibly important, this class works in conjunction w/ Calendar.java to get info from the user about specific events, sets up the data structures needed for user input, and parses text files. In the event that an event is passed (speaking in coincidence to time), it will be purged from the system.


Calendarcal
Demo
TestMain
DemoClock
CalendarFrame
Calendar
CalendarDriver

Graphical User Interface



- Main Calendar Interface
  - This displays the layout of the calendar
  - The current month will be displayed, along with the how the weeks of that month line up with the dates
  - It also displays buttons, *Previous Month, Next Month,* & *Today.*
- Previous Month
  - Clicking this button will take the user back by one month on the calendar, along with the how the weeks of that month line up with the dates
- Next Month
  - Clicking this button will take the user forward by one month on the calendar, along with the how the weeks of that month line up with the dates
- Today
  - Clicking this button will displays the Digital Clock
- Digital Clock
  - A display of the current date's time in hours, minutes and seconds. It shall conform to the user's machine. For example, if a machine's default language is Chinese, it will convert the time to characters of the Chinese languages.

- Installation
    - Classes and drivers are public classes installable through Eclipse.
- Testing
    - Originally had to test the calendar as well as the calendar driver.
    - Adjusted to accept .txt files.
    - Making sure that the classes connected with those that they worked in conjunction with
    - Making sure that the calendar's GUI could display the digital clock when interacted with.