

Note 2 Flash

By: Adrian Sham (adrsham) and Trey Anderson (treyman)

A note taking program that automatically creates and formats note sheets and flash cards on the fly.

Designed to help students make more effective use of their time.

UI Design

Generated flash cards:

Kinetic
Energy

$$\frac{1}{2} mv^2$$



Generated note sheet:

PHYS 101 note sheet

Kinetic Energy = $\frac{1}{2} mv^2$

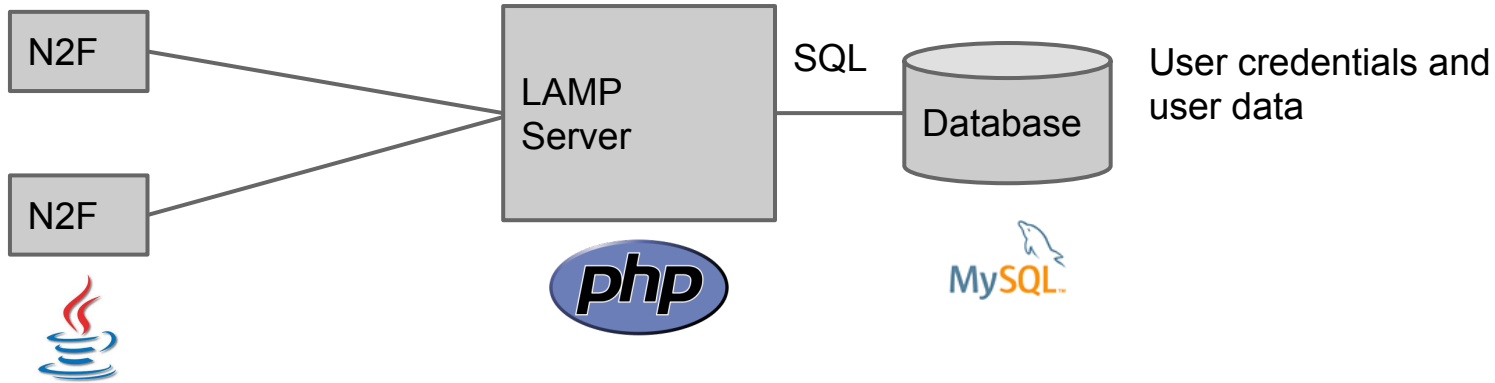
Don't forget to negate forces in the opposite direction!

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The screenshot shows a window titled "Note 2 Flash" with a close button in the top right corner. Below the title bar are two tabs: "Card" and "Sheet". To the right of the tabs are three colored arrows (yellow, red, green) and a "Login" button. The main content area is split into two panes. The left pane contains a list of courses: "* ENG 200" (with sub-items "Lecture 1" and "Lecture 2"), "* PHYS 101" (with sub-items "Lecture 1" and "Lecture 2"), and "* CSE 403" (with sub-items "Lecture 1", "Lecture 2", and "Section 1"). The "Lecture 2" item under PHYS 101 is highlighted in blue. The right pane displays the content of the selected note. It features the equation "Kinetic Energy = $\frac{1}{2} mv^2$ " with "Kinetic Energy" highlighted in yellow and " $\frac{1}{2} mv^2$ " highlighted in green. Below this is the text "The area of a circle is equal to the area of a triangle of height r and base length C." At the bottom of the right pane, a red highlight contains the text "Don't forget to negate forces in the opposite direction!". A vertical scrollbar is visible on the right side of the content area.

Software Architecture



Challenges and Risks

- Designing server application to store client data
- Communication between application and server
- Synchronize across multiple devices
- Generating printable flash cards
- Securing the connection between the server and Note 2 Flash