ACE OF SPADES

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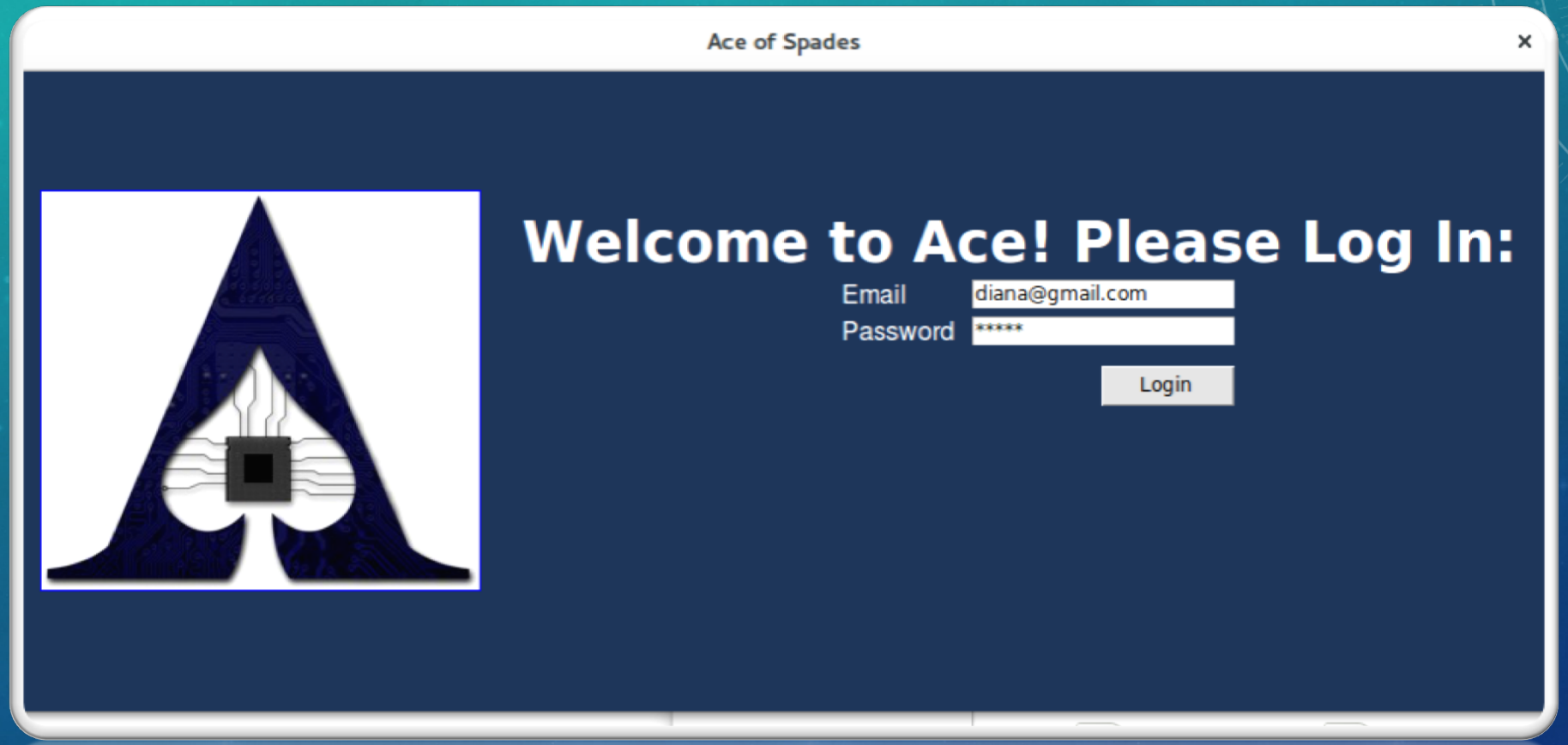
SIMPLE, EFFICIENT, HELPFUL

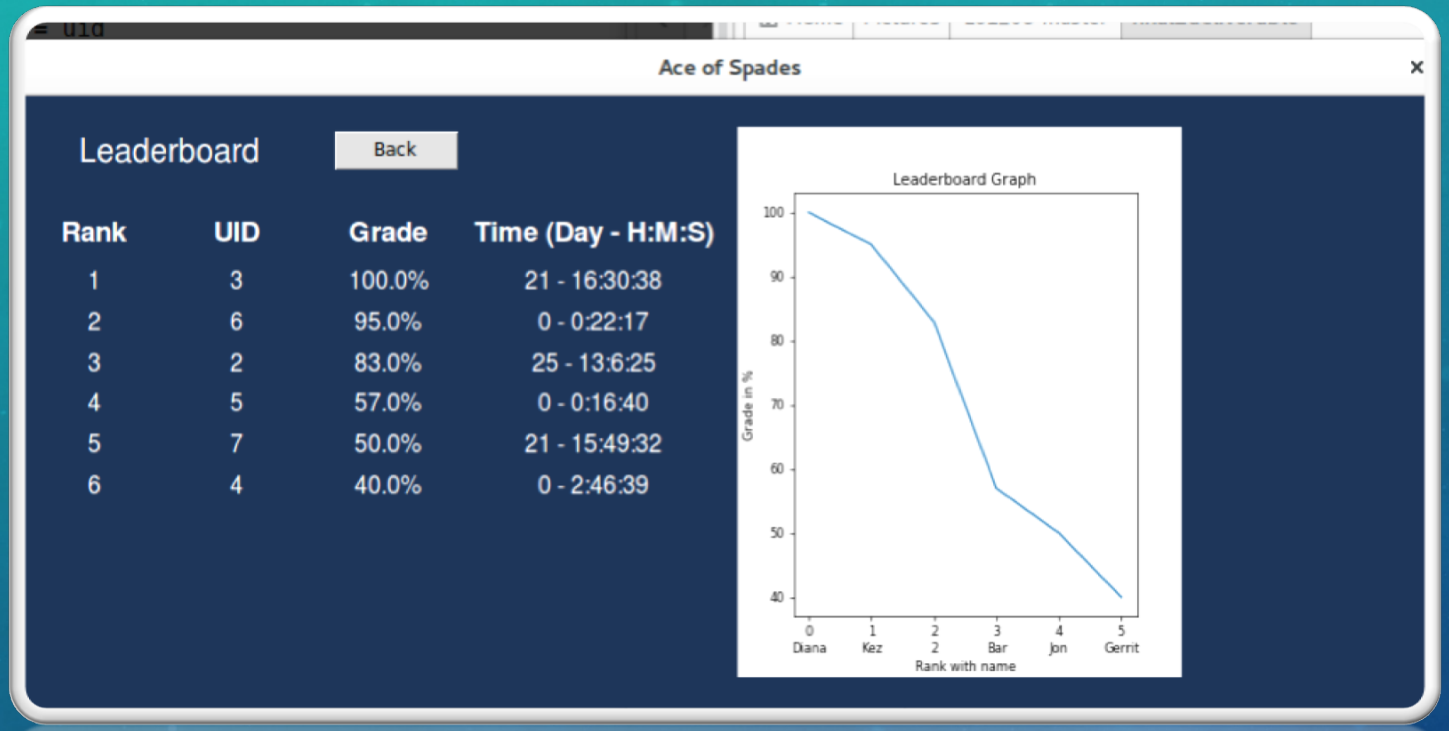


WHAT WE IMPLEMENTED

Admin	Student
• Login to the admin part of the application • To create, edit and delete questions from database • Enter latex code for questions • Use formula to automatically generate questions • Add, edit and remove user information to the software • Create and edit an assignment • View all and individual student results on specific assignments. • Sort student assignment results by grade, student uid, and number of attempts for an assignment. • See a leaderboard of students sorted by highest to lowest overall grade then, in case of a tie, lowest to highest completion time	• Login as a student to the application • View posted assignments • Complete an assignment • Get hints for the questions I am completing on the assignment • Receive immediate results for my submission • Save progress in the middle of work, close the app and come back to it later. • Review my entire work after submission, by looking at an attempt • View past attempts for any particular assignment • Download a pdf version of a current attempt for an assignment • See my standing on the class leaderboard

KEY
Features

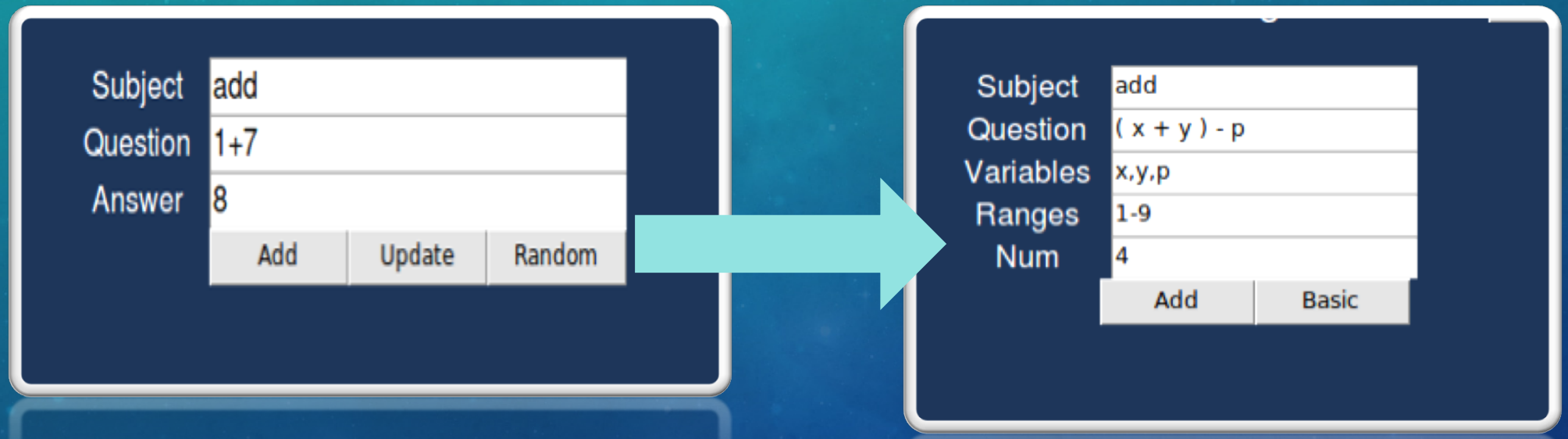
FEATURE: LEADERBOARD FOR ALL ASSIGNMENTS



- **How could we engage students to use our software more? By drawing into their competitive side!**
- A graph displaying mark distribution amongst the students
- The ‘Grade’ is calculated from all attempts and assignments completed by the student
- Time is calculated from assignment start time to the student’s last submission

FEATURE: QUESTION GENERATOR

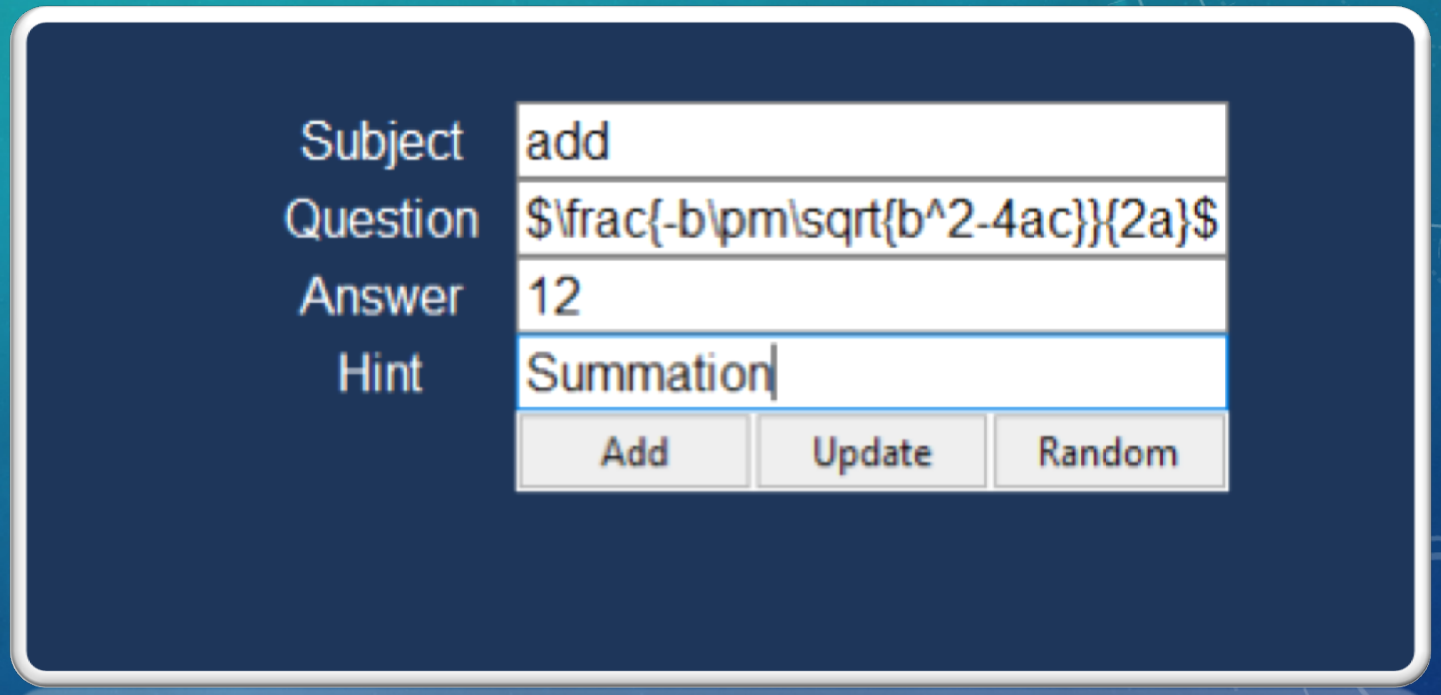
- We took into consideration that adding or updating a question should be simple!
- However we also provide the option for an admin to input variables, range and a formula and we generate ‘Num’ amount of questions with the same format, as specified by the user
- Only unique questions generated by the system are added to the database.



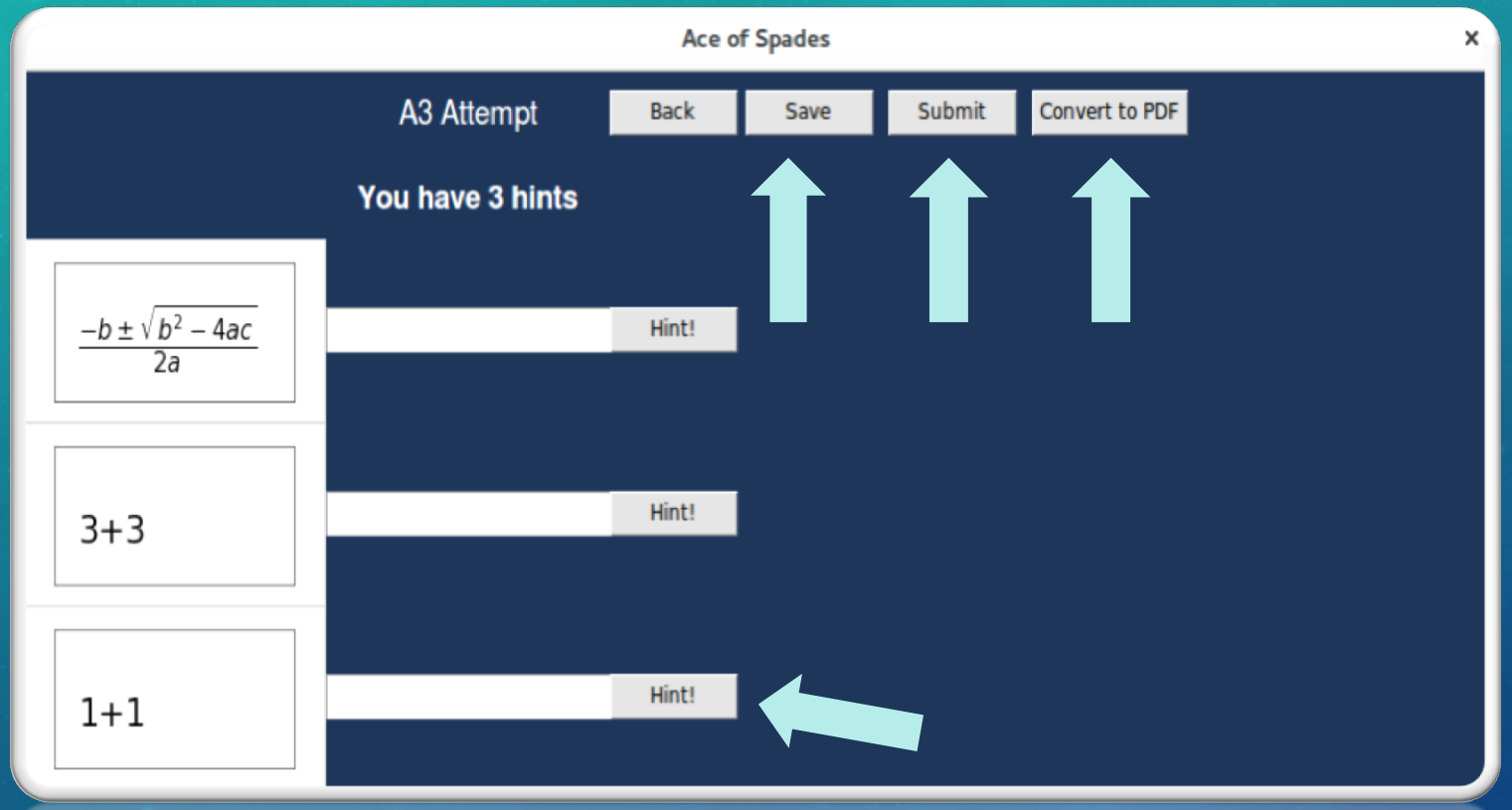
FEATURE: LATEX

- ***All professors love Latex: True or False?***

- When an admin is creating a question, latex input is accepted and converted by our system
- Students see the generated result when completing their assignment
- Regular text and expressions such as “1+1” are also formatted with latex for better display



FEATURE: SAVE, SUBMIT, DOWNLOAD

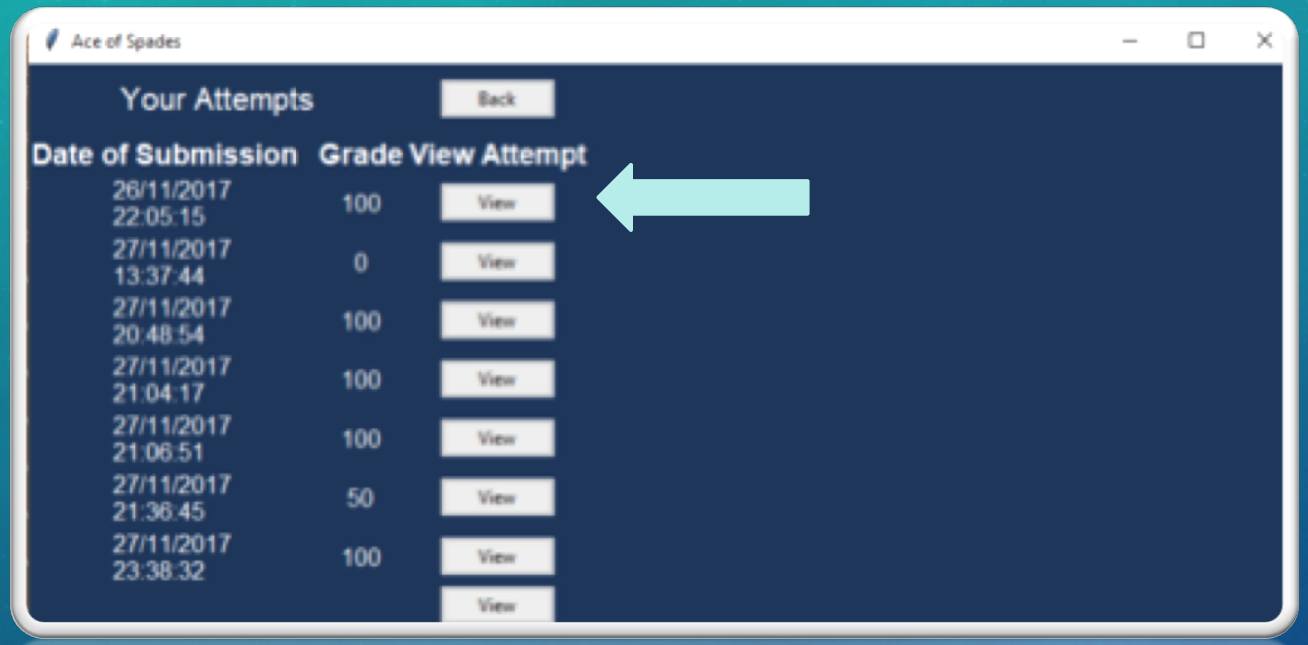


Students have the option of using # of hints for each attempt, for individual questions

When Completing a assignment, students can:

- **Save** their progress by entering their answer in the entry boxes, exiting the screen and resuming later out
- **Submit** their assignment and receive a grade immediately
- **Convert to pdf** their assignment , to finish on the go or ask for help in tutorial

FEATURE: VIEW PAST ATTEMPTS



- We implemented a screen for students to see their previews attempts for a specific assignment. To view the actual questions and answers they simply need to click on ‘View’
- This allows students to learn from experience, see their mistakes and do better on their next attempts and future assignments

IT’S TIME!