

Blackboard

1. Determine the Program's Purpose

Name of Program: Blackboard

Program: The main aim of this educational management system is to simplify the learning experience for both students and teachers by serving as an intermediary in accessing study materials, examination papers, assignments and all other forms of learning resources. Messaging, virtual classrooms, and performance reviews are all features that help educators talk to learners. It tackles the problems — fragmented educational content, and haphazard communication — to simplify learning, making it more efficient and systematic.

Why does the program exist? The purpose behind the development of this platform is to fulfil the current requirement in education sector i.

Checkout Academic Video Online, for a perfect solution to manage online and hybrid learning environments.

Enhanced student-teacher communication.

Coursework and Test/Exercise Sheets are readily available.

Performance evaluation and feedback from teachers to students in an efficient way.

- Problems it solves:
 1. Poor course management: Schools and universities still operate with fragmented systems — platforms for assignments, another separate system for messages, and yet something different for tests; these make it harder to manage all that has to be accomplished.

2. Communication Bottlenecks: Teachers and students may struggle to communicate quickly and effectively, causing assignments to slip between the cracks and instructions to seem out of sync.
 3. Poor Security: Some current platforms do not take security seriously leading to the exposure of personal and academic information.
 4. While Many platforms have scalability problems when the number of users goes up and you can experience crashes or slow loading.
- Needs Addressed:
 1. Centralization Saves Time: Everything is in one place (assignments, course content, communication) making it easy for both students and teachers to use SLS.
 2. Security where two-step verification to make sure the students' data is perfectly safe.
 3. We need our users to have access to an optimized and buttery smoothest interaction at all time, especially during high traffic period the very quick load time (below 3 seconds) of the platform was a clear winner whenever this topic has come into discussion.

2. Conduct a Survey or Interview

You need to source at least five student responses about what they think about the platform and where it may be improved, according to the assignment. This is how you would carry and evaluate this study:

Survey Questions:

<https://docs.google.com/forms/d/e/1FAIpQLSflHaw2cFb3fXHfDFplSP8k5xbZxjVfaCUVodyLXVkqd8DBQA/viewform>

3. Research Existing Programs

To easily understanding regarding your online learning platform is much more beneficial against blackboard (Blackboard represents one of the most popular educational management systems), let me show a short kind of review to similar website.

Similar Program: Madrasati

Advantages of Madrasati

- User-Friendly Interface: Designed specifically for students and teachers in Saudi Arabia, making navigation intuitive.
- Integrated Tools: Combines various educational tools such as assignments, quizzes, and interactive lessons in one platform.
- Localization: Content is tailored to meet the specific educational standards and curriculum of Saudi Arabia.
- Accessibility: Allows access from various devices, making learning flexible and convenient.
- Support for Remote Learning: Facilitates online learning, especially useful during emergencies like the COVID-19 pandemic.

Disadvantages of Madrasati

- Limited International Use: Primarily designed for Saudi students, which may limit global applicability.
- Technical Issues: Users may experience occasional technical glitches or downtime.
- Training Needs: Some teachers may require additional training to effectively utilize all features.
- Content Variety: May have less diverse content compared to more globally recognized platforms.

- **Your Program: Blackboard**

- Advantages of Blackboard:
 - ☐☐Complex Learning Management System (LMS): Blackboard has everything from content delivery to student assessment and communication.
 - ☐☐Flexible UI: The interface can be customized to suit the organization, enhancing personal experience.
 - ☐☐Blackboard Mobile: Students can download the Blackboard app, where they can access course materials and submit assignments on-the-go.
 - ☐☐Third-Party Integrations: It also provides excellent educational tool integrations like Google Drive, Zoom, Microsoft Teams.
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- Disadvantages of Blackboard:
 - ☐☐Complexity: It is said that the learning curve of the platform is high and it may be tough for some to get started initially.
 - ☐☐Price: At the institutional level, Blackboard costs a lot, meaning only larger schools may have access.
 - ☐☐Problematic Performance: Even though it is used more than anything else, it can still get really slow and crash during the prime of its life.

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- - **Comparison Madrasati with Your Program:**

- - **Similarities:**

- - ☐☐Purpose: The design of both Madrasati and Blackboard focuses on making educational management more effective by delivering virtual classrooms, access to assignments, and communication tools for students as well as teachers.
- - ☐☐Content Management: Both systems give teachers the ability to post content, run assessments, and watch student progress.
- - ☐☐Integration with Communication Tools: Integration between Madrasati and Microsoft Teams is possible for virtual

classes, and Blackboard can work with both Teams and Zoom for virtual learning too.

- - **Differences:**

- - Target Audience:

- - ☐☐ Madrasati: Focusses particularly on the Saudi education framework and curriculum.

- - ☐☐ Blackboard: A platform that serves as a global resource for a wide selection of institutions throughout different national and educational systems.

- - Customization:

- - ☐☐ Madrasati: Minimal ability for customization; mainly intended to back Saudi education policy.

- - ☐☐ Blackboard: Highly adjustable for institutions of all sizes and emphases in academics.

- - Cost:

- - ☐☐ Madrasati: At your disposal because it's backed by the government.

- - □□Blackboard: Due to their size or local economic status, smaller
- - institutions and those in developing regions find this to be expensive.

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- - Global Accessibility:
- - □□Madrasati: Localized chiefly for Saudi Arabia and mostly inapplicable for international schools.
- - □□Blackboard: In use by universities and institutions throughout the world.
- - Security Features:
- - □□Madrasati: Contains basic security characteristics and makes use of Microsoft's infrastructure for virtual teaching environments.
- - □□Blackboard: Supplies advanced security attributes, for example, two-factor authentication and data encryption, in order to furnish outstanding protection for its users.

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Conclusion:

Finally, I appreciate that your platform resolves some of the pain-points that plague many conventional educational management systems — poor load times and heavy user interfaces. Your program could fit a simpler (more order there), more secure and existing gap in the market due to its focus on efficiency, security and user experience. Once you have done the survey, you will be able to define better and emphasize on what is relevant for the users.

References

Learning from Saudi Arabia's journey to digital and distance education. (n.d.). World Bank Blogs. <https://blogs.worldbank.org/en/education/learning-saudi-arabias-journey-digital-and-distance-education>

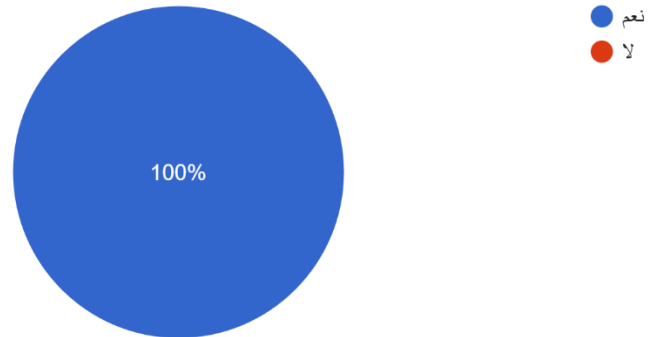
Alokuk, J. A. (2018). The Effectiveness of Blackboard System, Uses and Limitations in Information Management. *Intelligent Information Management*, 10(06), 133–149. <https://doi.org/10.4236/iim.2018.106012>

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Survey Results

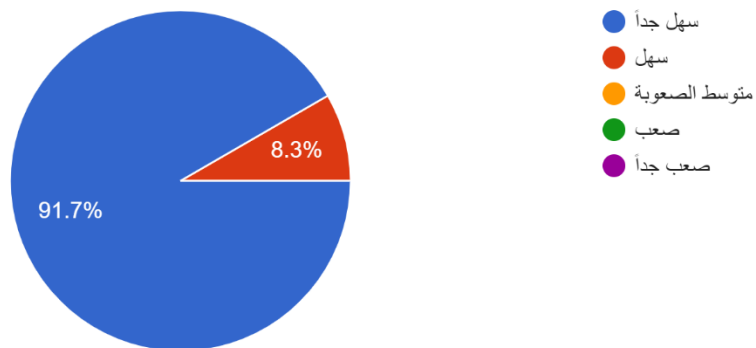
هل تستخدم blackboard؟

12 responses



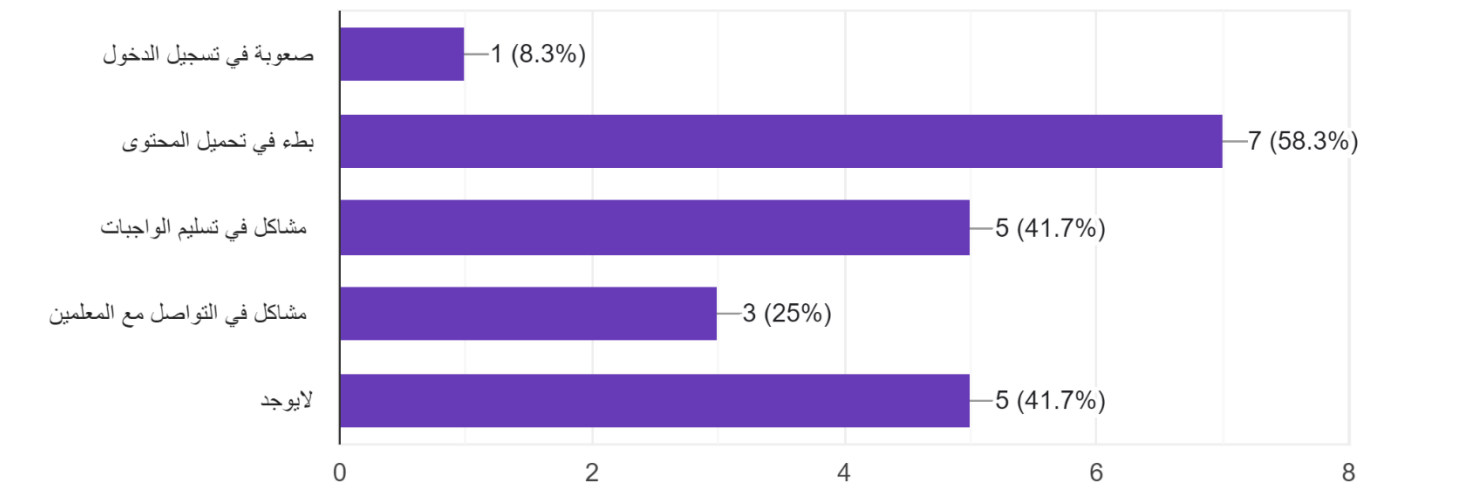
ما مدى سهولة استخدامك لتطبيق البلاك بورد؟

12 responses



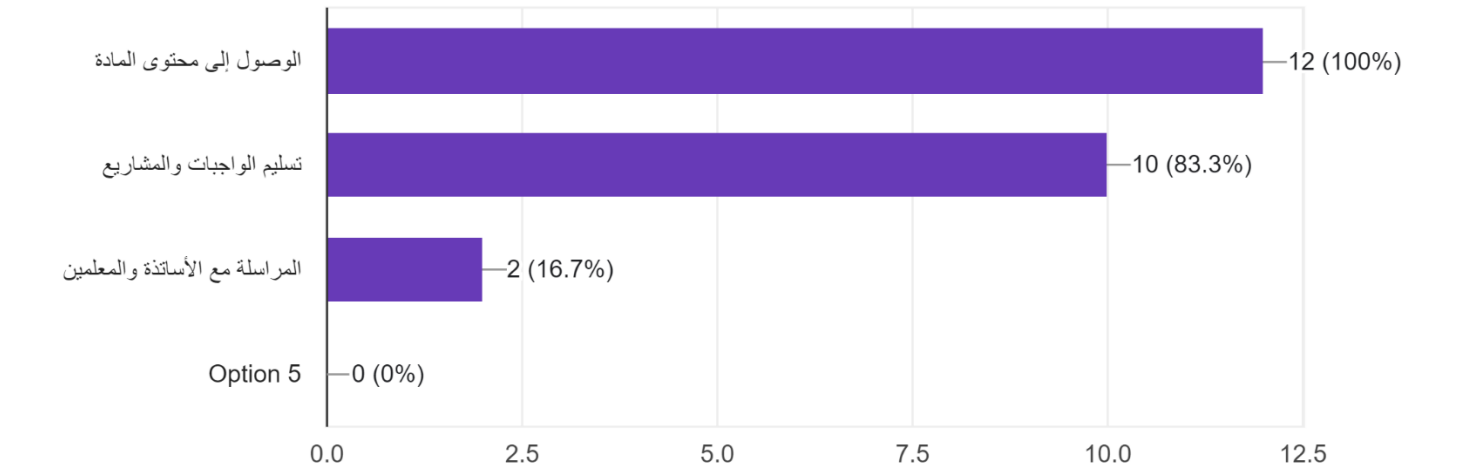
ما هي المشاكل التقنية التي واجهتها أثناء استخدام البلاك بورد؟

12 responses



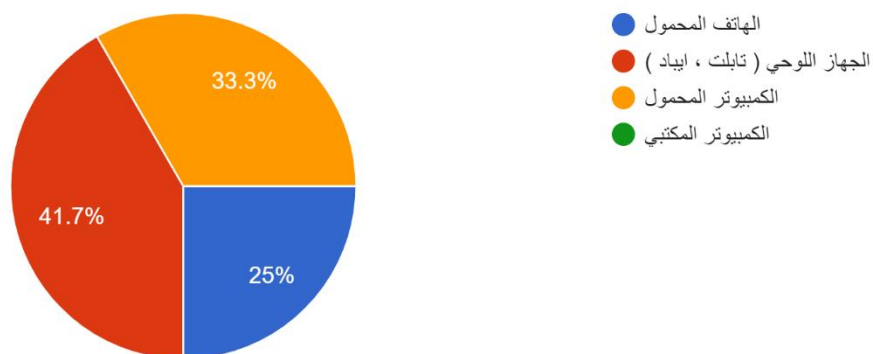
ما هي الميزات التي تعتبرها الأكثر فعالية لتلبية احتياجاتك؟

12 responses



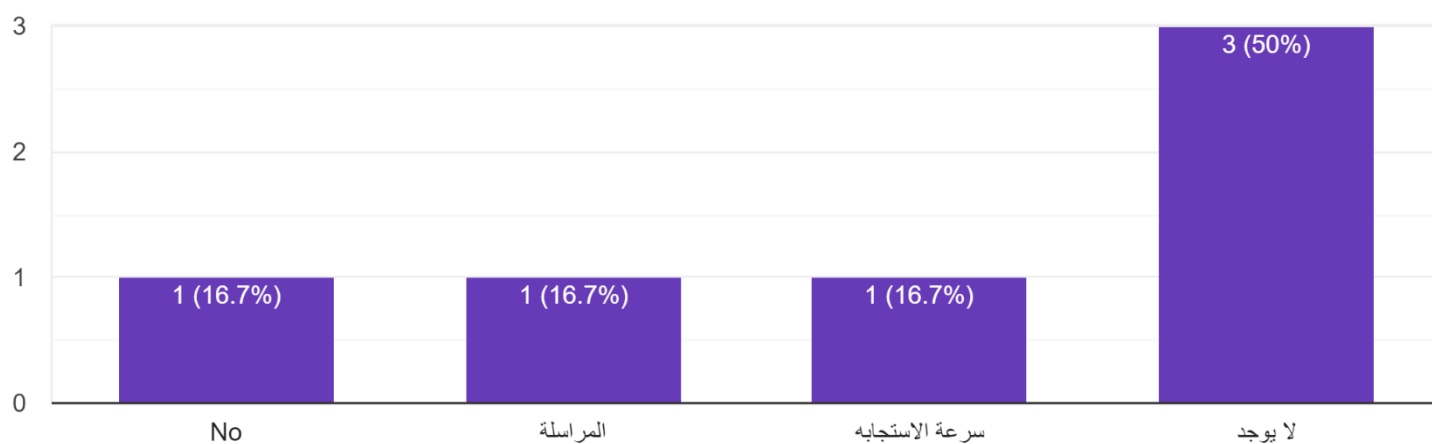
ما هو الجهاز الذي تستخدمه عادةً للوصول إلى تطبيق البلاك بورد؟

12 responses



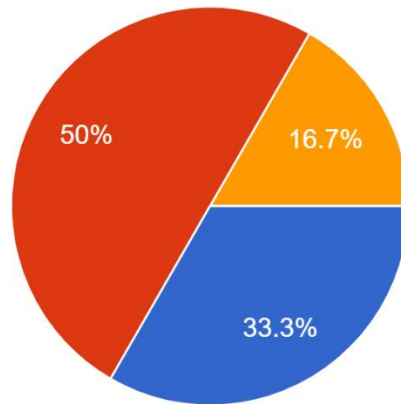
ما هي الميزات الأساسية التي تفتقدها في التطبيق؟

6 responses



ما مدى رضاك عن التطبيق ؟

12 responses



- راضٍ جداً
- راضي
- محايد
- غير راضي
- غير راضي جداً

Functional Requirement:

User requirements:

A system that facilitates the learning process and allows teachers and students to easily access educational content in one place and interact with each other.

System requirements:

1-The system must provide a way to log in:

- The system should allow customers to create a new account using a phone number or email and set a password.
- The system should allow customers to log in if they have previously created a valid and confirmed account.

2- The system must allow users to manage courses:

- Users should be able to access enrolled courses, upload assignments, exams, and content through the instructors.

3-The system must allow the evaluation of student performance:

- Instructors should have the ability to manage student evaluations, including recording grades and providing feedback on assignments and exams.

Non-Functional requirements:

1.The system shall be scalable enough to support 100000 visits at the same time while maintaining a great performance.

2. The system shall load each page within 3 seconds.

3.The system shall use two-step verification to protect data.

Main Tasks:

1. Allows students to access course content, assignments, and tests provided by teachers.

2. Facilitates communication between students and teachers through messages or virtual classrooms.

3. Enables course registration and allows students to access them at any time.

