DTab

LARGE SCALE, INTERACTIVE ASSESSMENT

In an Offline Environment

KEY FEATURES

Engaging Assessments

Students engage with custom interactions and are guided through the assessment experiences. DTab supports a variety of tools, ranging from calculators and voice recordings to coding interactions and geometric drawings, that students can use to intuitively complete assessments.

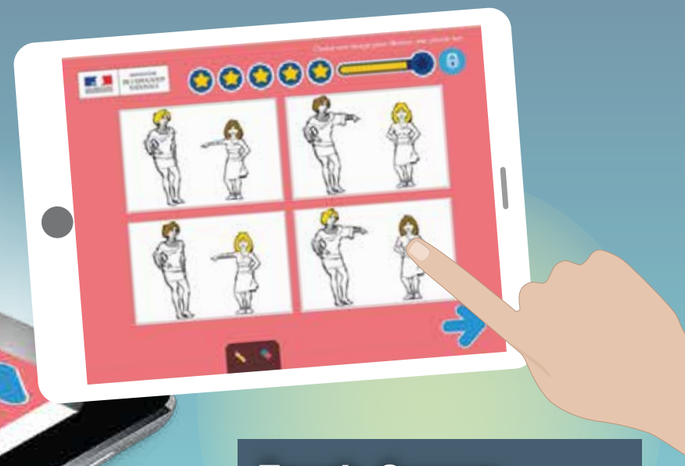
Offline Enabled

The assessment is deployed in an offline application that is capable of periodic synchronization. This provides the opportunity for educators in areas with unreliable connectivity to administer mobile assessments.

The tablets are pre-loaded with the app and distributed to schools by technology groups. This reduces the need for institutions to purchase a device for each child.

Authoring Tools

Authoring tools allow administrators and educators to use built-in interactions to create assessment items that they can use to test in real-time, to experience how their students will interact with them.



Touch-Screen Technology

The use of touch-screen technology simplifies interactions for students. This is an important element for younger students who do not have experience working with a mouse and keyboard.

Voice Enabled

DTab houses assessment items that are not only interactive but also voice enabled. They provide students with step-by-step on-screen guidance to work through the items. These features allow younger students who cannot yet read, to follow the voice enabled instructions to complete lessons, tutorials, and assessments using various digital tools.

Monitoring Student Performance

Student performance data is made available for analysis through data structures that collect log data offline and support complex response types, such as drag and drop, voice recordings, drawings, etc. Collected performance data can then be analyzed and used to advance education policy at a school or national level.

DTab & DEPP

Ministries of education, across the world, share a common belief that digitization is the future of large-scale assessments.

This vision is also strongly shared by the French Ministry of Education, who has implemented digital assessments for their national tests conducted in secondary schools.

However, as is typical in most countries, infrastructure and the availability of devices is much stronger in secondary schools than in primary schools. This led the Division of Evaluation, Planning and Performance (DEPP) at the French Ministry of Education to carefully consider the new challenges they would face when extending digital assessments into primary schools.

In 2015, the DEPP partnered with Vretta, a global educational technology organization, to develop the large-scale, interactive assessment platform, DTab, to assess the performance of primary school students in an offline, mobile environment.

Since 2016, thousands of students across France have been successfully assessed using DTab. The success of this implementation has confirmed the strategic vision for the DEPP to generalize large-scale digital assessments for all primary school students across France.

DTab has been extended to assess primary school students in Grade 1 (le cours préparatoire: CP), Grade 2 (Le cours élémentaire: CE1), and Grade 3 (Le cours élémentaire: CE2). DTab is also being used for special projects, such as the national sample based program for students at schools in low socio-economic areas to evaluate the effectiveness of class size reduction. DTab is currently being extended to cover large-scale interactive assessments in Science and other subjects.

Assessment Applications Designed and Developed by the DEPP and Vretta:

Evaluation CPT2 | Evaluation CE1T2 | Evaluation CP | Evaluation CE1 | Evaluation CE2 | OBSERVATION EVALUATION CEDRE | EVALUATION CEDRE

This project has confirmed that large-scale interactive assessments benefit greatly when presented on mobile devices and the success of this project also provides great promise for digital assessments administered in an offline environment.

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