

# Challengr, a Classroom Response System for Competency Based Assessment and Real-Time Feedback with Micro-Contests

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# Context and Motivations

- Development of a **Classroom Response System** (CRS)

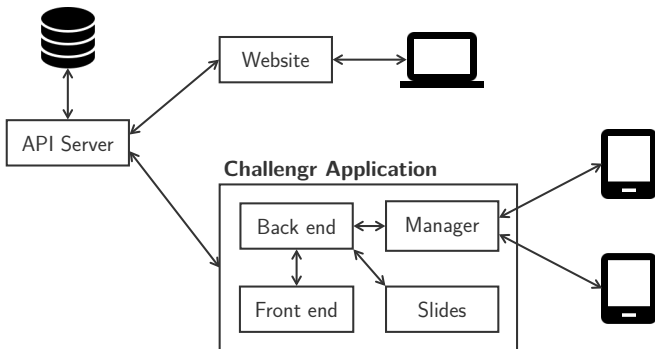
*With instructional uses and students' assessment possibilities*

- **Four main goals** to the proposed system
  - Increase students' motivation to learn
  - Bring interactions in classroom
  - Evaluate students in a fun and challenging way
  - Provide instructors with feedback on students' performances

# The Challengr Tool (1)

- **Distributed application** to organise micro-contests

*Three parts: API Server, website and the Challengr application*



# The Challengr Tool (2)

- Tool used to **run a challenge** with several questions

*Public online challenges or local private ones*

- **Statistics and feedback** are collected from the students

*Correct answers, questions behaviour, survey, etc.*

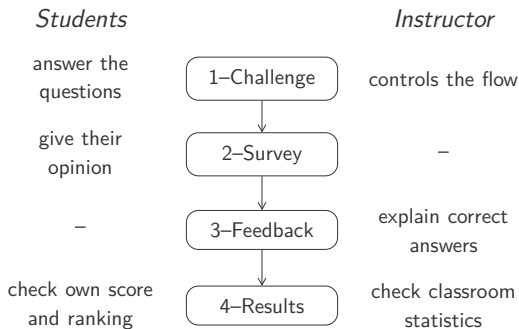
- Connection with other tools through an **API**

*External services to connect Challengr to LMS, for example*

# Instructional Use and Assessment

- Proposals for how the platform can **be used** in classrooms

*Beginning or end of course session, with proposed timeline*



# Conclusion and Future Work

- Challengr designed as a real-time **feedback tool**
  - As well for instructors as for students
  - By creating challenges to run in classrooms
- **Future work** includes tests of the platform
  - With students following programming course
  - To measure how well the approach is accepted and efficient
  - To further develop the platform and add new features

# Credits

- Icons from <https://icons8.com/icons>.