

Jabulani School Simulation Portal

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Problem

The Value of Classroom Diversity

- Diverse classrooms of students means recognizing that everybody is unique in their own way.

Creativity and Confidence

- Studies show that students can go further and concentrate better with people of different backgrounds working in the same environment.
- Diversity training for teachers in training exists, but is flawed and can be improved upon in several areas.



Our Sponsor

Gretchen McAllister, Ph.D.

NAU College of Education Associate Professor

Jabulani School District

[Jabulani Elementary School](#) | [Jabulani High School](#) | [Elementary Lounge](#) | [High School Lounge](#)

Welcome to Jabulani!

This page is the starting point for information about the District and about each of our schools, Jabulani Elementary and Jabulani High School. Explore our District site!


Teaching at Jabulani

Interested in teaching at one of the Jabulani Schools? Click on either of the Application links below to fill out an online application to teach at our district.

[Elementary Application](#)
[High School Application](#)

You will be notified of your status by e-mail.

Jabulani High Students Pack New Computer Lab



Thanks to a federal grant, Jabulani High School opened a new computer lab last month. Students are flocking to the lab to use the latest multi-media software programs installed on every machine.

The new lab is also open on week-ends to provide hands-on access to students without home computers.

Visit our schools.

Click on the buttons below to go to each school web site.

[Jabulani Elementary](#)
[Jabulani High School](#)

Report Cards

Find out how we're doing. Click on the link below to view our School Report Cards.

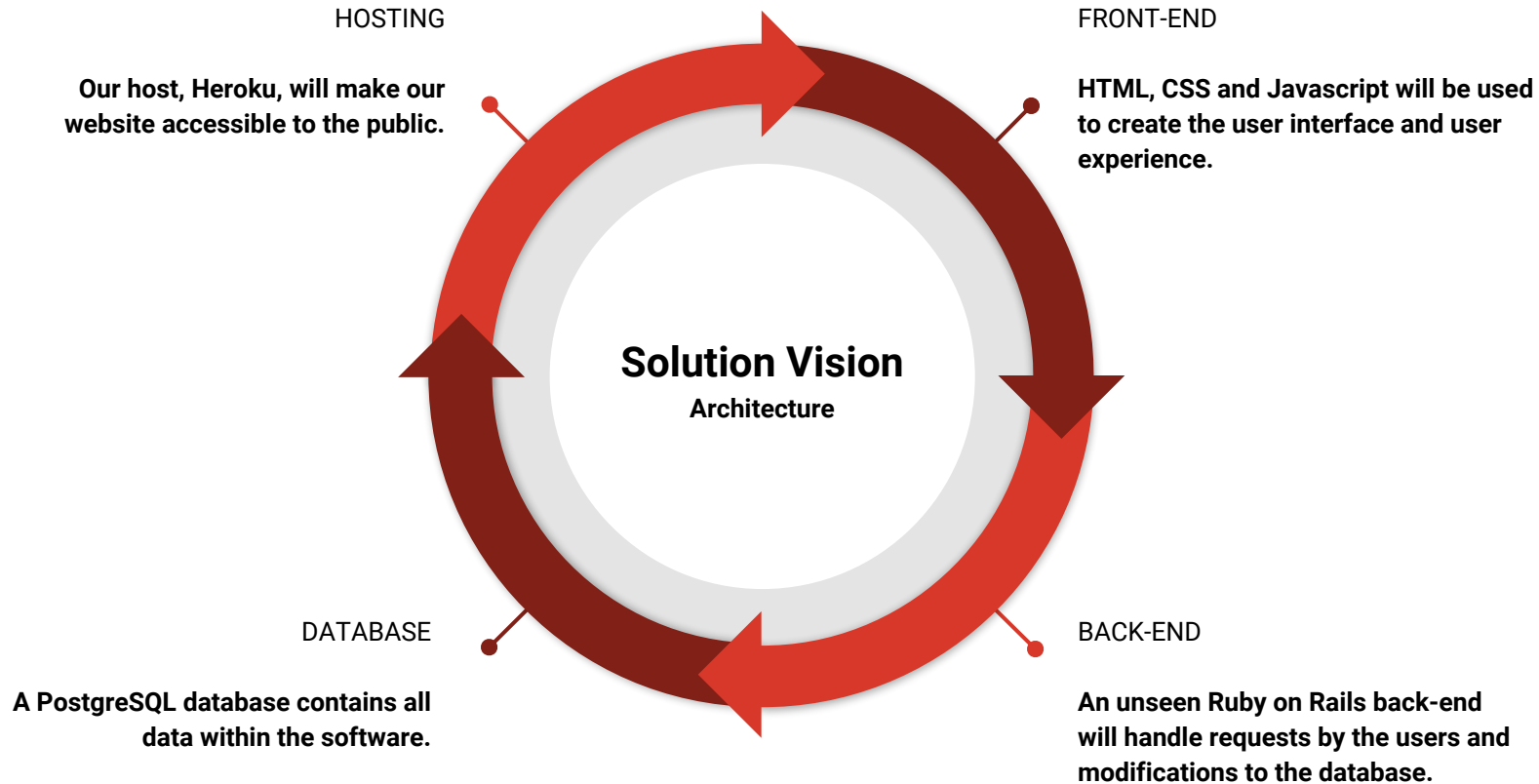
[Elementary School](#)
[High School](#)

Solution

Jabulani School Simulation Portal (JASS)

- Simulated, virtual experience of diverse classrooms to prepare teachers for the real world
- More targeted approach than other simulation softwares for teachers in training





Functional Requirements

- **FR1 — Administrator vs. Teacher-in-training features**
- **FR2 — Secure login authentication**
- **FR3 — Virtual classrooms**
- **FR4 — Interactive database**
- **FR5 — Scenario use/creation**

Functional Requirements (cont'd)

- **Create virtual classrooms and populate with virtual students**
 - Handpicked or predefined student sets
 - Assign classrooms to teachers-in-training
- **Ability to create, share, and assign scenarios**
 - View class's student data and make scenario
 - Share out-of-class scenarios

Non-functional Requirements

- Accessibility for varying forms of colorblindness
- Focus on UI/UX design
- Reliability in terms of hosting
- Maintainability for future refinement

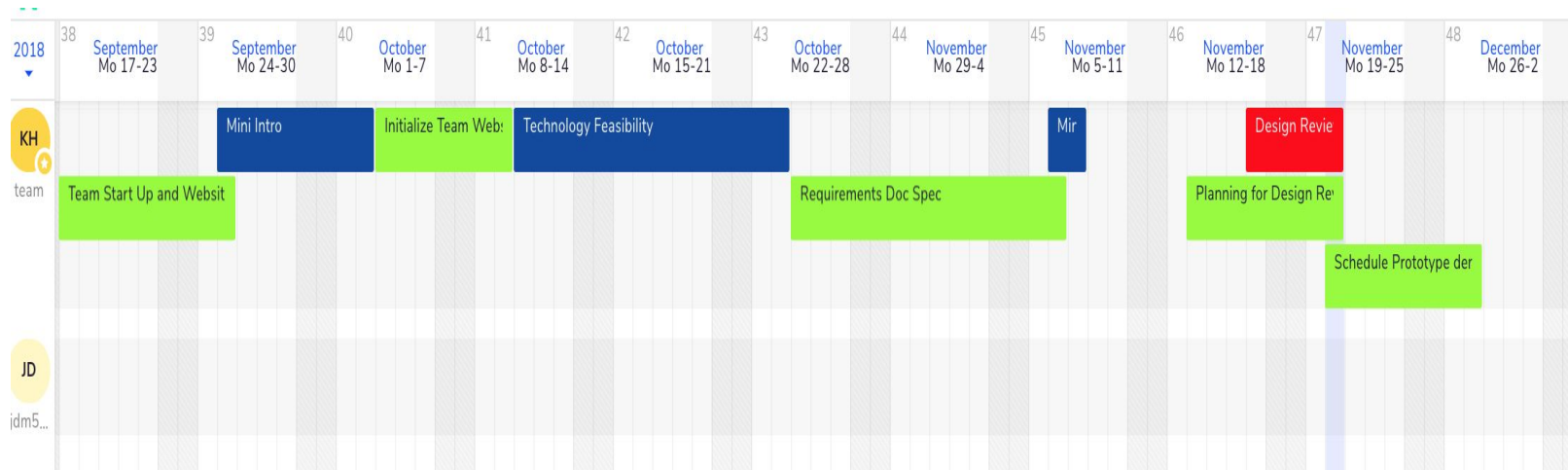


Risks/Obstacles

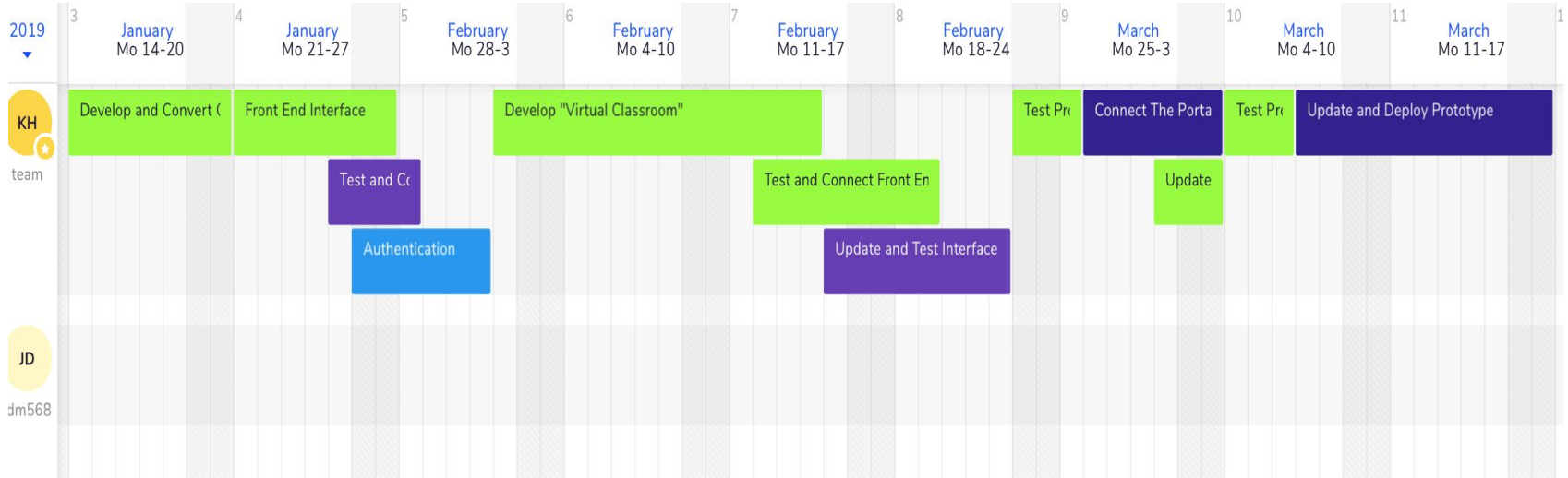
- Transferring 600 student profiles from a spreadsheet into an online database
- Having our software be accessible by users with disabilities
- Meeting our client's vision of UX and UI
- Avoiding “automation” of scenarios



Fall Project Schedule



Spring Project Schedule



Conclusion

“Success in a diverse classroom
comes from a balance of
student self-awareness and
community acceptance
of others.”

Beth Morrow

www.ascd.org



Team Jasper

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