

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.

Jabulani School District

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

[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



Menu

[Back to Dashboard](#)

My Classrooms

[1st Grade - Ms. Noriega](#)

[2nd Grade -Ms. Mack](#)

[1st Grade](#)

Virtual Classrooms

Welcome to the Virtual Classrooms landing page. This page will provide links for administrators to manage virtual classrooms, links for faculty to manage TIP classes, and links for TIPs to view the classrooms they are assigned to by faculty.

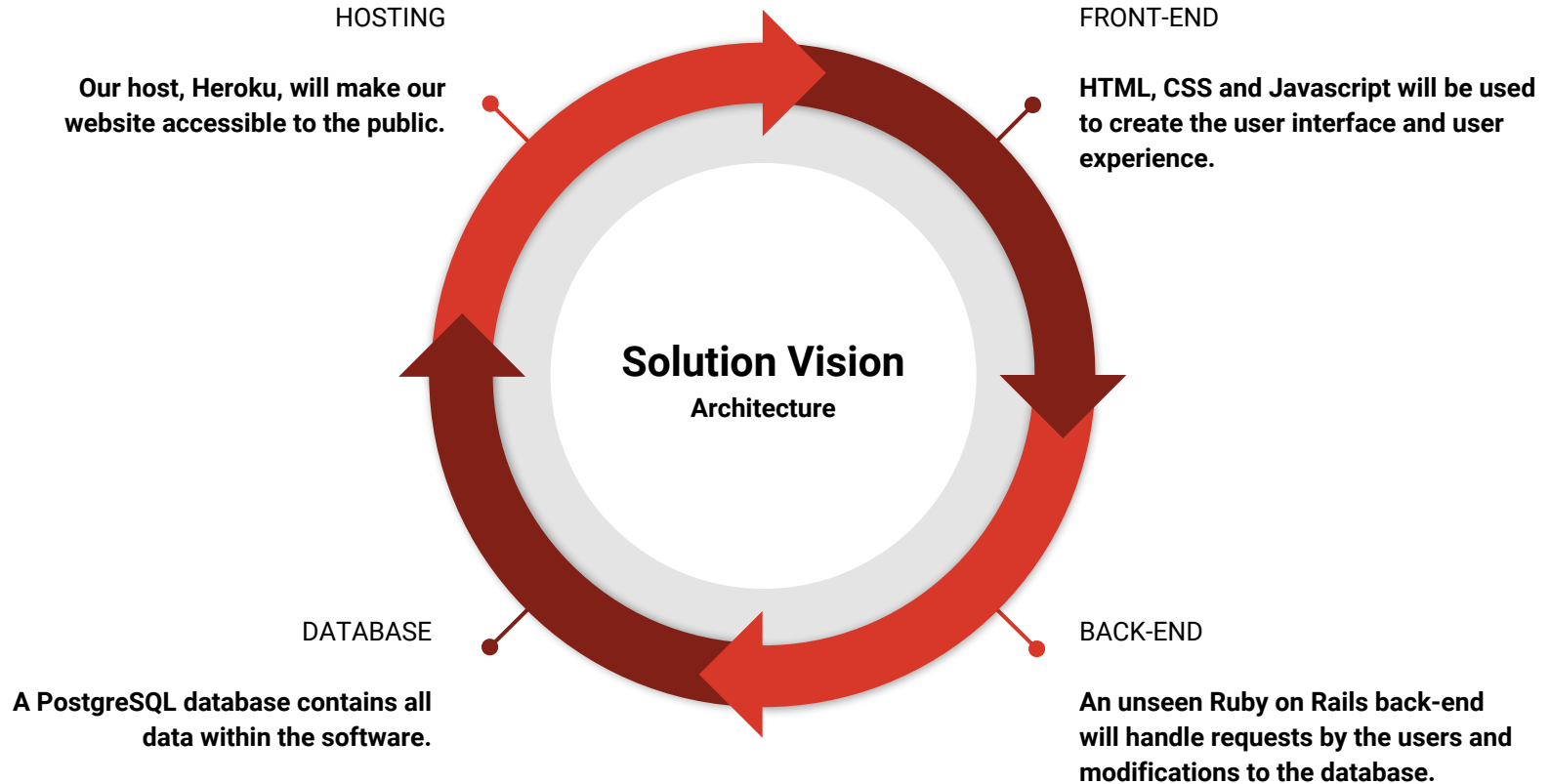
In addition, this page will include a welcome message, contact information for help, and a link to a user manual.

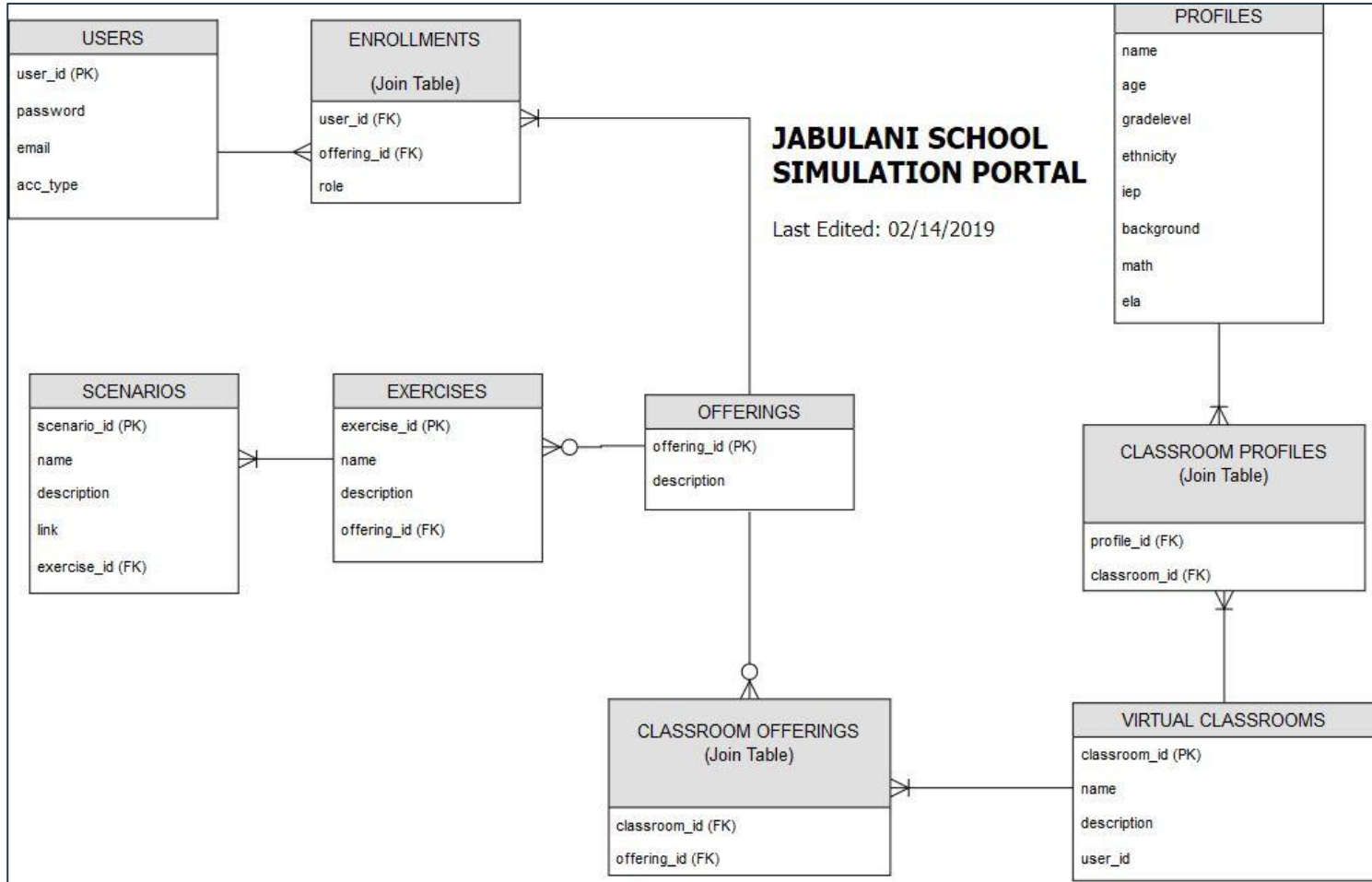
2nd Grade -Ms. Mack

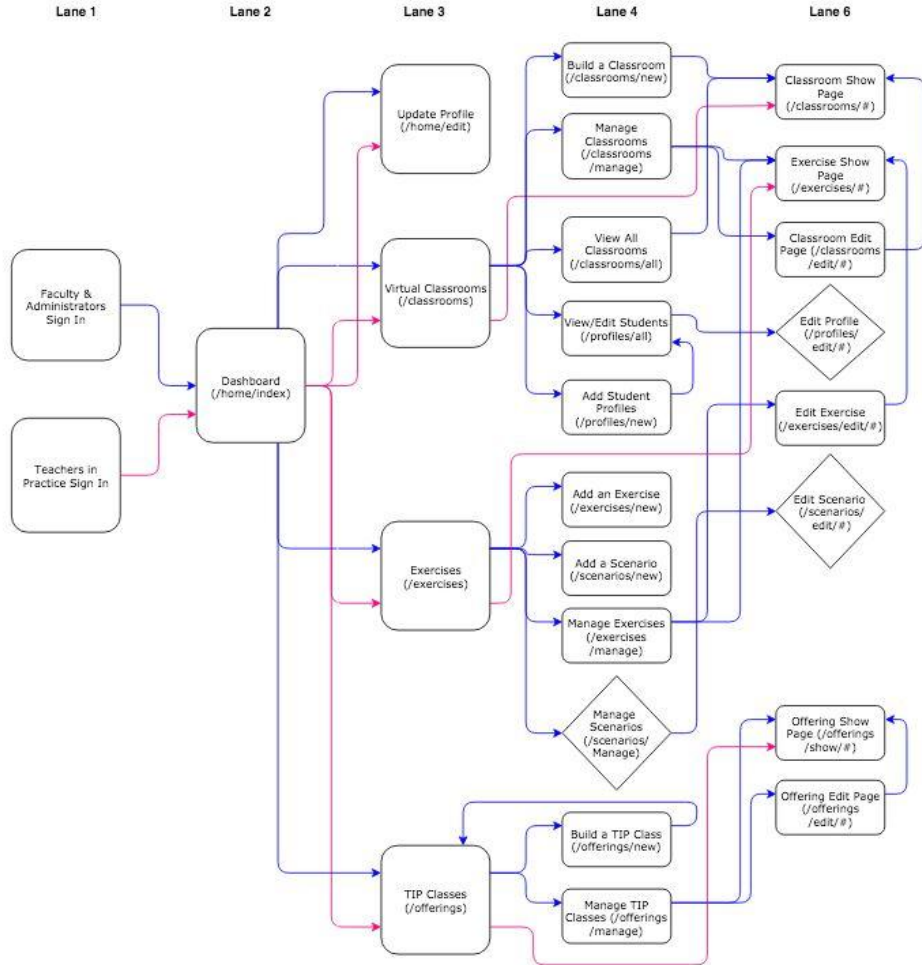
Description:

First Name ^	Last Name	Ethnicity	IEP	Math	ELA	Background
Christopher	Smith	Native American		Meeting standards	Meeting standards	Mom and Dad, 1 yo...
Daniel	Macias	Hispanic		Meeting standards	Meeting standards	Mom, Dad, 1 youn...
Donald	Whitworth	White		Falling far behind	Falling far behind	Dad, 1 older sist...

Implementation



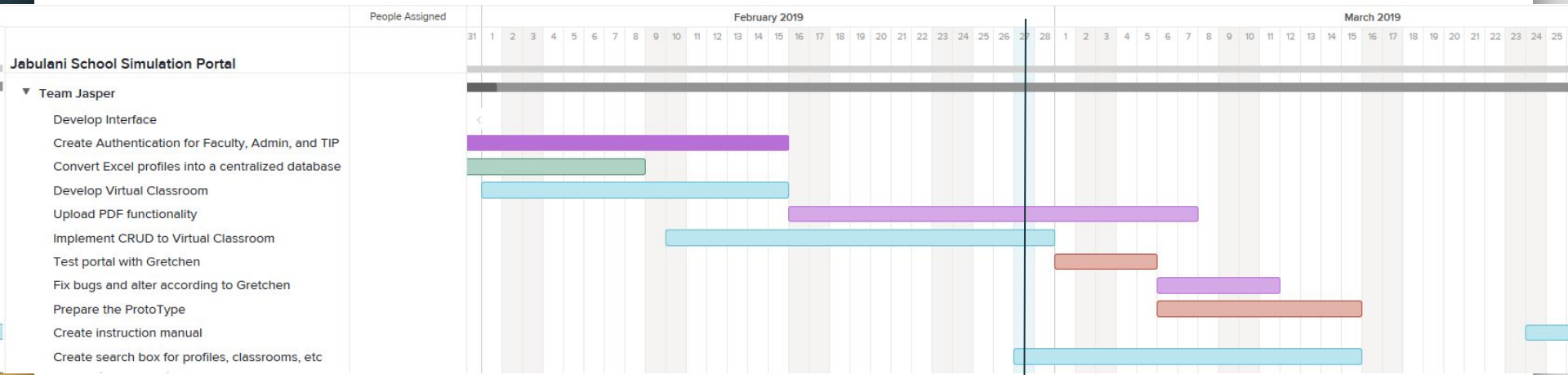




Challenges & Resolutions

- 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
- Maintaining flexibility for new ideas and requirements
- Populating the database with test data for development
- Allowing faculty/admins to overfill/abuse database capacity with junk entries
- Allowing faculty/admins to add fields to the database

Spring Project Schedule



Conclusion

- Developing Jabulani school simulation web portal
- Tool to supplement/simulate real-world classroom experience
- Main element is virtual classrooms with profiles/exercises
- Almost done with prototype; some features still needed

Conclusion

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

Beth Morrow

Team Jasper

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