MIT DormPoll: Project Plan

Team Peanutbutter: Darius Bopp, Ron Dentiger, Nick Guo, Claudia Wu

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Milestones

Proof of Concept (11/20)

- Users can log in using MIT Username/Password and Kerberos
- Users can select a Poll to fill out
- Users can fill out and submit answers to a Poll
- The Poll may need to be somewhat hard-coded into the website
- The results may need to be downloaded from PHP Admin

Minimum Viable Product (12/3, 12/5)

- Admin Portal now exists
- Polls can now be created on-site (dorm-wide)
- Results can now be seen on-site

Finished Product (12/10)

- UI is fleshed out and finalized
- Polls can now be floor specific
- Polls can be saved, loaded, and edited

Backup plans

       In general, the worst case scenario results in our MVP becoming out final project. There are some hard requirements our system simply has to meet to function: users log in with MIT Open ID and being able to respond to Polls. Beyond that, most of the other functionalities are ideas to make the system a good, user and admin friendly system. The main functionality we can cut back from is the amount of freedom we give the admin when creating Polls. Creating a Poll that is always Dorm wide is easier than one that is specific to each Floor. A Poll with all the same answer-type is easier than one with all different. Requiring Admin to download results from PHPAdmin would require less functionality from our Admin Portal.

       One large concern is figuring out OpenID. It seems like an extremely involved task that pushes us to use pretty unfamiliar technologies that doesn't have helpful documentation. It may be a bit of a stretch to get the whole login system working within the first week. Our goal is to be able to complete this task by the Proof of Concept deadline, but we do recognize potential for failure here and will allow this task to bleed into the second working week.

Deadlines will be due by 11:59 PM that date
Bold Assignee's are head developer, with non bold being helpers

Task	Assignee	Deadline	Difficulty	Milestone
Begin Project File (Structure said file)	**Nick**, Darius	Thurs 11/15	Easy	PoC
Set up DB Schemas (Some may need dummy data)	**Ron**, Claudia	Fri 11/16	Medium	PoC
Figure out how to use OpenID	**Nick**, Darius	Fri 11/16	Hard	PoC
Set up a log in system with OpenID	**Nick**, Darius	Sat 11/17	Hard	PoC
?UI for OpenID?	**Darius**, Nick	Sun 11/18	Medium?	PoC
Ability to hard code Polls / UI for Poll	**Claudia**, Ron	Sun 11/18	Easy	PoC
UI/Functionality to choose a Poll to answer	**Claudia**, Ron	Mon 11/19	Easy	PoC
API to answer Poll	**Ron**, Nick	Mon 11/19	Medium	PoC
UI to answer Poll	**Darius**, Claudia	Mon 11/19	Medium	PoC
Switch to Material UI	**Darius**	Sun 11/25	Hard	MVP
Put signing in / signing out in backend	**Nick**	Tues 11/27	Medium	MVP
API to create/delete Polls	**Darius**, Ron	~~Sun 11/25~~ Mon 11/26	Medium	MVP
Add Security Measures (CSRF)	**Nick**, Ron	Sat 12/1	Medium	MVP
Add Poll Cards for viewing	**Claudia**, Ron	Sat 12/1	Medium	MVP
UI to create Poll	~~Nick, Claudia~~ **Darius**	~~Sun 11/25~~ Friday 11/30	Hard	MVP
Removing options/questions on the Create Poll UI	**Darius**	Sun 12/2	Hard	MVP
Connect UI to API	**Ron**	Mon 12/3	Easy	MVP
Error Handling on various Submits	**Ron**	Mon 12/3	Medium	MVP

Task	Assignee	Date	Difficulty	Phase
Limiting Website Access for Non-Signed-In users and Non-Admins	**Darius**	Mon 12/3	Medium	MVP
404 / Restyling Home	**Darius**	Mon 12/3	Easy	MVP
API to get results	**Claudia**, Nick	~~Thurs 11/29~~ Sat 12/1	Easy	MVP
UI to get results	~~Ron~~ **Claudia**, Darius	~~Sat 12/1~~ Tues 12/4	Easy	MVP
API and UI for admin to be added/deleted	**Claudia,** Darius	Tues 12/4	Medium	MVP
UI to delete Polls	**Ron**	Tues 12/4	Easy	MVP
Complete Admin Portal UI	**Claudia,** Darius	~~Sun 12/2~~ Tues 12/4	Medium	MVP
UI cleanup / finalization	**Claudia**, All	Sun 12/9	Medium	Final
Add more question types	**Darius**, Ron	Thurs 12/6	Medium	Final
API to save, load, edit Polls	**Nick**, Claudia	Fri 12/7	Hard	Final
UI to save, load, edit Polls	**Ron**, Nick	Sat 12/8	Medium	Final
Floor Specific Polls	**Darius**, All	Sun 12/9	Hard	Final