

PROJECT PLAN DOCUMENT

Project number	19
Project Title	Reddit for Research
Document	Project Plan
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Client	Dr. Vishal Gupta, deScign

Brief problem statement

An important aspect of collaboration is to read and discuss published literature. Tools that are currently in the market force researchers to do this in isolation. 'Reddit for Research' aims to solve this, by providing a platform where users can upload, read, discuss, and debate literature/research in a seamless manner.

Team Members

- **Karsh Tandon and Mrinal Khubchandani:**
 - To build the platform - posts, annotations, comments
 - To support viewing PDFs, and integrate Hypothesis
- **Manvith Reddy:**
 - To build a search engine that searches over posts/annotations/comments on the platform
 - Uses elastic search and Machine Learning
- **Shanmukh Karra:**
 - Handle continuous deployment, continuous integration, and code pipelining
 - Uses cloud services (Amazon Web Services - AWS)

Team Communication

- Team members meet regularly, as they all live in the same housing residency
- Team members are using WhatsApp as a primary means of communication
- All members are maintainers of a common code repository

Development Environment

- Git/GitLab for collaboration
- Hypothesis
- JavaScript - Angular8 framework
- MongoDB
- Python
- Google Docs - project documentation

Milestone Schedule

Milestone	Due Date	Release	Deliverable ?
Create draft requirements		R1	No
Finalize requirements		R1	Yes
PDF Viewer	During sprint 3	R1	Yes
Posting/annotation/commenting (prototype completion)	During sprint 3	R1	No
Posting/annotation/commenting (testing and client approval of prototype)	During sprint 3	R1	No
Posting/annotation/commenting (code completion)	During sprint 4	R1	No
Posting/annotation/commenting (testing complete, finalized)	During sprint 4	R1	Yes
Search (prototype completion)	During sprint 3	R1	No
Search (testing and client approval of prototype)	During sprint 3	R1	No
Search (code completion)	During sprint 3	R1	No
Search (testing complete, finalized)	During sprint 4	R1	Yes
Reply feature, editing/deletion (prototype completion)	During sprint 5/6	R2	No
Reply feature, editing/deletion (testing and client approval of prototype)	During sprint 5/6	R2	No
Reply feature, editing/deletion (code completion)	During sprint 6	R2	No

Reply feature, editing/deletion (testing complete, finalized)	During sprint 6	R2	Yes
User management (creation, login, user roles) - prototype completion	During sprint 5/6	R2	No
User management (testing and client approval of prototype)	During sprint 5/6	R2	No
User management (code completion)	During sprint 6	R2	No
User management (testing complete, finalized)	During sprint 6	R2	Yes
Profile (prototype completion)	During sprint 5/6	R2	No
Profile (testing and client approval of prototype)	During sprint 5/6	R2	No
Profile (code completion)	During sprint 6	R2	No
Profile (testing complete, finalized)	During sprint 6	R2	Yes
Upvote/Downvote (code completion, testing, approval)	During sprint 6	R2	Yes
Feedback feature (code completion, testing, approval)	During sprint 6	R2	Yes
Night mode (code completion, testing, approval)	During sprint 6	R2	Yes
Deployment	Throughout all dev sprints	R1 & R2	No