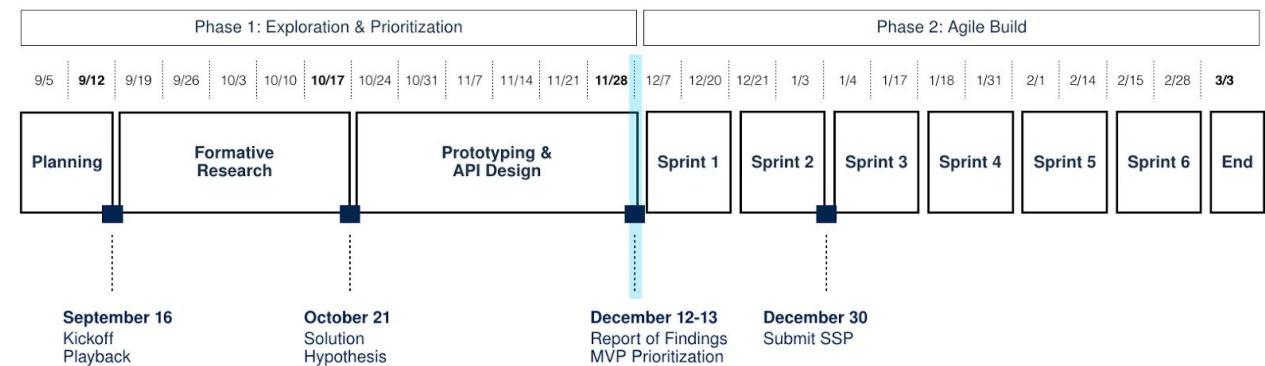**FBI Crime Data Explorer**

Status Report (12/5)

18F

Project plan

The project team has outlined a two-part approach for designing, building, and deploying the Crime Data Explorer (CDE). Part 1 will focus on establishing parameters and identifying priorities for the minimum viable product (MVP). Part 2 will focus on implementing features based on the resulting product roadmap and ongoing user and stakeholder feedback.

Overall progress will be communicated through these status reports and weekly check-ins with the FBI project core team.

Executive Summary of Activities:

Last week 18F conducted its third and final prototyping sprint, which explored how the CDE can best demonstrate the value of NIBRS data. Our testing showed that by presenting aspects of Summary and NIBRS together, the CDE can offer users a more dynamic view of crime in the US than would be possible through either data type on its own.
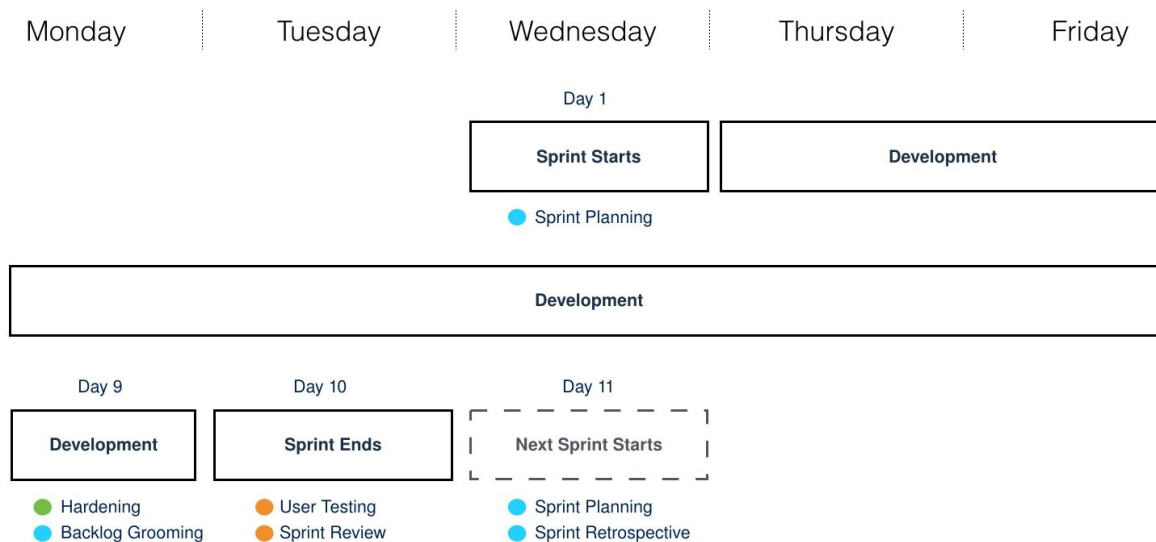
While we found that selecting aspects of incident data to complement summary highlights resonated with users, additional research is needed to better understand how NIBRS and SRS should be presented together and how this presentation may affect users' interpretation of the data. A full recap of Sprint 3 learnings and activities accompanies this status report.

With prototyping completed, the team is now wrapping up phase 1 of the project and preparing to build the CDE. While 18F will continue to iterate with users in this new phase, its focus will be on enabling, rather than exploring, key experiences for the CDE. To support these efforts the team will conduct a workshop with the project core team on **Monday, December 12** to establish a framework for MVP prioritization. 18F will then present to senior FBI leadership on **Tuesday, December 13** to review what was learned from phase 1 and put forth a vision for evolving the CDE. Both meetings will be held onsite at CJIS in West Virginia.

Development Approach:

18F will continue to work in an iterative and user-centric manner as it moves through 6 2-week development sprints. Each sprint will result in working software that may be tested with users and demonstrated to project stakeholders. In this way, the team will work from a prioritized backlog of user stories to progressively add functionality to the MVP, with the aim of delivering the highest priority items by the March, 2017 release date. 18F and the FBI project team will collaborate to identify and implement the highest priority items from the backlog based on ongoing user and stakeholder feedback.

A high-level overview of the timeline and activities for a typical development sprint includes:

Monday	Tuesday	Wednesday	Thursday	Friday

Day 1

| | | Sprint Starts | Development | |

🔵 Sprint Planning

| Development |

Day 9	Day 10	Day 11
Development	Sprint Ends	Next Sprint Starts

🟢 Hardening 　🟠 User Testing 　🔵 Sprint Planning
🔵 Backlog Grooming 　🟠 Sprint Review 　🔵 Sprint Retrospective

Open Issues:

The following items may require action from the FBI core team in order to resolve:

- Larry to work with Sammy and Lori regarding the logistics and attendance for next week's workshops and presentations at CJIS.
- Larry to work with Lori to discuss how can CJIS (and the FBI) can help with user recruitment going forward.

Key Risks

- **Managing expectations:** There are many stakeholders involved in this project and different perspectives on what the CDE should do and why. Aligning around what is both feasible and of highest value to users will be key to achieving the best possible result and

managing expectations going forward.

- **Limited opportunity:** The CDE is limited to *presenting* the data that's available from the FBI. It will not directly affect the volume, quality, or timeliness of the data it displays.

- **Dealing with uncertainty:** There is uncertainty around what data will be available, what it can support, and how it will be updated.

- **Agile, user-centered design, and open data:** 18F works in ways that are new to the FBI and may present organizational and cultural challenges.

- **Providing visibility around decision-making and approval:** How might shared responsibilities among the project core team, the FBI's ATO process and the Office of Public Affairs influence our ability to make decisions in a timely manner?