		`
Play 1 - Understand what person in the person of the pe	eople need	Tour 🎗
in list <u>Done</u>		lour 💍
☐ Recurring Add #tags ▼ Spent /	Estimate ▼	
Description Edit		Add
	ploring and pinpointing the needs of the the ways the service will fit into their lives.	A Members
Whether the users are members of the makers must include real people in the makers must include real people in the makers must be seen as the makers must be seen as the makers are members and the makers are members of the makers are members of the makers are members of the makers are members of the makers are members are members of the makers are members are members of the makers are members and makers are members are members and makers are members are members and makers are members and members are members are members and members are members are members and members and members are members and	he public or government employees, policy heir design process from the beginning.	
should inform technical and design d	nts of government structures or silos — lecisions. We need to continually test the	☑ Checklist
products we build with real people to	keep us honest about what is important.	② Due Date
☑ Play One	Hide completed items Delete	
1. Early in the project, spend time with service	th current and prospective users of the	Actions
	antitative research methods to determine s: be thoughtful about the time spent	⊗ 00:00:00s
✓ 3. Test prototypes of solutions with re		→ Move
<ul> <li>4. Document the findings about user preferences</li> </ul>		□ Copy
√ 5. Share findings with the team and a	a <del>gency leadership</del>	Subscribe
6. Greate a prioritized list of tasks the as "user stories"	e user is trying to accomplish, also known	
7. As the digital service is being built, ensure it meets people's needs	, regularly test it with potential users to	Share and more
Add an item		
✓ Play 1 - Key Questions	Hide completed items Delete	
100%		
✓ Who are your primary users?		
✓ What user needs will this service add	lress?	
✓ Why does the user want or need this	service?	
✓ Which people will have the most diffice	culty with the service?	
✓ Which research methods were used:		
✓ What were the key findings?		
	Where can future team members access	
✓ How often are you testing with real p	eople?	
Add an item		

	PLAY 2 Address the whole experience, from start to finish in list Done  Recurring Add #tags ▼ Spent/Estimate ▼	Tour <table-cell></table-cell>
	Description Edit	Add
	We need to understand the different ways people will interact with our services, including the actions they take online, through a mobile application, on a phone,	A Members
	or in person. Every encounter — whether it's online or offline — should move the user closer towards their goal.	
N.	Play 2 - Checklist Hide completed items Delete	☑ Checklist
100%	Tiay 2 - CiteCkiist Inde Completed Items Delete	② Due Date
<b>~</b>	1. Understand the different points at which people will interact with the service —both online and in person	
<b>~</b>	2. Identify pain points in the current way users interact with the service, and prioritize these according to user needs	Actions
<b>~</b>	3. Design the digital parts of the service so that they are integrated with the offline touch points people use to interact with the service	≥ 00:00:00s
<b>~</b>	Develop metrics that will measure how well the service is meeting user needs at each step of the service	→ Move
	Add an item	□ Сору
	Disco O Kara Occasiona	Subscribe
100%	Play 2 - Key Questions Hide completed items Delete	
<b>~</b>	Key Questions	
<b>~</b>	What are the different ways (both online and offline) that people currently accomplish the task the digital service is designed to help with?	Share and more
<b>~</b>	Where are user pain points in the current way people accomplish the task?	
<b>~</b>	Where does this specific project fit into the larger way people currently obtain the service being offered?	
<b>~</b>	What metrics will best indicate how well the service is working for its users?	
	Add an item	
D	Add Comment	
MT	Write a comment	
	2 0 0 0	
	Send	

	PLAY 3 Make it simple and intuitive in list <u>Done</u> Recurring Add #tags ▼ Spent / Estimate ▼	X Tour ₹
	Description <u>Edit</u> Using a government service shouldn't be stressful, confusing, or daunting. It's our job to build services that are simple and intuitive enough that users succeed the first time, unaided.	Add  A Members  Labels
$\subseteq$	Play 3 - Checklist <u>Hide completed items</u> <u>Delete</u>	☑ Checklist
100%	1. Use a simple and flexible design style guide for the service. Use the U.S. Web Design Standards as a default	② Due Date
~	2. Use the design style guide consistently for related digital services	
<b>~</b>	3. Give users clear information about where they are in each step of the process	Actions
~	4. Follow accessibility best practices to ensure all people can use the service	⊗ 00:00:00s
~	5. Provide users with a way to exit and return later to complete the process	→ Move
~	6. Use language that is familiar to the user and easy to understand	□ Сору
<b>~</b>	Use language and design consistently throughout the service, including online and offline touch points	<ul><li>Subscribe</li></ul>
	Add an item	
$\subseteq$	Play 3 - Key Questions <u>Hide completed items</u> <u>Delete</u>	
100%	Minet primary tools are the year trying to accomplish?	Share and more
~	What primary tasks are the user trying to accomplish?	
<b>Y</b>	Is the language as plain and universal as possible?	
<b>Y</b>	What languages is your service offered in?	
<b>Y</b>	If a user needs help while using the service, how do they go about getting it?	
~	How does the service's design visually relate to other government services?  Add an item	

	PLAY 4 Build the service using agile in list <u>Done</u> ☐ Recurring Add #tags ▼ Spent / Estimate ▼	e and iterative practices	Tour 🙎
	Description Edit		Add
	We should use an incremental, fast-paced style	•	A Members
	reduce the risk of failure. We want to get working early as possible to give the design and develop adjust based on user feedback about the service	oment team opportunities to e. A critical capability is being	
	able to automatically test and deploy the service added often and be put into production easily.	so that new features can be	
$\subseteq$	Play 4 - Checklist	Hide completed items Delete	② Due Date
100%			
<b>~</b>	1. Ship a functioning "minimum viable product" (need as soon as possible, no longer than three the project, using a "beta" or "test" period if need	months from the beginning of	Actions
<b>~</b>	2. Run usability tests frequently to see how well- improvements that should be made		≥ 00:00:00s
<b>~</b>	3. Ensure the individuals building the service contechniques such as launch meetings, war rooms chat tools	, ,	→ Move
<b>~</b>	4. Keep delivery teams small and focused; limit separate these teams from the business owners		Subscribe
~	5. Release features and improvements multiple-	times each month	
<b>~</b>	6. Create a prioritized list of features and bugs, backlog" and "bug backlog"	also known as the "feature	Share and more
~	7. Use a source code version control system		
<b>~</b>	8. Give the entire project team access to the issisystem	ue tracker and version control	
~	Use code reviews to ensure quality		
	Add an item		
100%	Play 4 - Key Questions	Hide completed items Delete	
V	How long did it take to ship the MVP? If it hasn't	shipped yet, when will it?	
<b>~</b>	How long does it take for a production deployme		
~	How many days or weeks are in each iteration/s	print?	
~	Which version control system is being used?		
~	How are bugs tracked and tickets issued? What	tool is used?	
~	How is the feature backlog managed? What too	lis used?	
1	How often do you review and reprioritize the fea	ture and hug backlog2	

	PLAY 5 Structure budgets and contracts to support delivery in list <u>Done</u>	X Tour <b>₹</b>
	■ Recurring Add #tags ▼ Spent / Estimate ▼	
	Description Edit	Add
	To improve our chances of success when contracting out development work, we need to work with experienced budgeting and contracting officers. In cases	A Members
	where we use third parties to help build a service, a well-defined contract can facilitate good development practices like conducting a research and prototyping	
	phase, refining product requirements as the service is built, evaluating open source alternatives, ensuring frequent delivery milestones, and allowing the	☑ Checklist
	flexibility to purchase cloud computing resources.  The TechFAR Handbook provides a detailed explanation of the flexibilities in the Federal Acquisition Regulation (FAR) that can help agencies implement this	② Due Date
	play.	
$\subseteq$	Play 5 - Checklist <u>Hide completed items</u> <u>Delete</u>	Actions
100%	4. Rudget includes research, discovery and protetyning activities	⊗ 00:00:00s
<	Budget includes research, discovery, and prototyping activities     Contract is structured to request frequent deliverables, not multi month	→ Move
~	3. Contract is structured to hold vendors accountable to deliverables	□ Copy
~	4. Contract gives the government delivery team enough flexibility to adjust feature prioritization and delivery schedule as the project evolves	Subscribe
<b>~</b>	5. Contract ensures open source solutions are evaluated when technology choices are made	<b>≦</b> Archive
<b>~</b>	6. Contract specifies that software and data generated by third parties remains under our control, and can be reused and released to the public as appropriate and in accordance with the law	Share and more
<b>~</b>	7. Contract allows us to use tools, services, and hosting from vendors with a variety of pricing models, including fixed fees and variable models like "payfor what you use" services	
<b>~</b>	8. Contract specifies a warranty period where defects uncovered by the public are addressed by the vendor at no additional cost to the government	
<b>~</b>	Contract includes a transition of services period and transition out plan	
	Add an item	
$\subseteq$	Play 5 - Key Questions <u>Hide completed items</u> <u>Delete</u>	
100%	What is the scope of the project? What are the key deliverables?	
~	What are the milestones? How frequent are they?	
~	What are the performance metrics defined in the contract (e.g., response time, system uptime, time period to address priority issues)?	
	Add an item	

	PLAY 6 Assign one leader and hold the in list Done	nat person accountable	Tour 🏖
	☐ Recurring Add #tags ▼ Spent / Estimate ▼		
	Description Edit		Add
	There must be a single product owner who has the to assign tasks and work elements; make business		A Members
	decisions; and be accountable for the success or failure of the overall service.  This product owner is ultimately responsible for how well the service meets		
	needs of its users, which is how a service should be owner is responsible for ensuring that features are	-	☑ Checklist
	feature and bug backlogs.		② Due Date
<b>☑</b> 100%	Play 6 - Checklist	ide completed items Delete	
100%	1. A product owner has been identified		A - 41
×	•		Actions
~	2. All stakeholders agree that the product owner h tasks and make decisions about features and tech		≥ 00:00:00s
<b>~</b>	3. The product owner has a product management experience to assess alternatives and weigh trade		→ Move
<b>~</b>	4. The product owner has a work plan that include identifies funding sources	s budget estimates and	□ Сору
<b>~</b>	The product owner has a strong relationship with i	the contracting officer	Subscribe
	Add an item		○ Send to board
V	Play 6 - Key Questions	ide completed items Delete	- Delete
100%	Who is the product owner?		Share and more
<b>~</b>	What organizational changes have been made to has sufficient authority over and support for the pr		
<b>~</b>	What does it take for the product owner to add or service?	remove a feature from the	

	PLAY 7 Bring in experienced teams in list <u>Done</u> Recurring Add #tags ▼ Spent / Estimate ▼	Tour 🏖 ×
	Description Edit	Add
	We need talented people working in government who have experience creating modern digital services. This includes bringing in seasoned product managers,	A Members
	engineers, and designers. When outside help is needed, our teams should work with contracting officers who understand how to evaluate third-party technical	
	competency so our teams can be paired with contractors who are good at both building and delivering effective digital services. The makeup and experience requirements of the team will vary depending on the scope of the project.	☑ Checklist
	requirements of the team nim vary depending on the ecope of the project.	② Due Date
$ \square $	Play 7 - Checklist <u>Hide completed items Delete</u>	
100%	1. Member(s) of the team have experience building popular, high traffic digital services	Actions
<b>~</b>	2. Member(s) of the team have experience designing mobile and web applications	⊗ 00:00:00s
<b>✓</b>	3. Member(s) of the team have experience using automated testing	→ Move
	frameworks	<b>□</b> Сору
<b>~</b>	4. Member(s) of the team have experience with modern development and operations (DevOps) techniques like continuous integration and continuous deployment	Subscribe
<b>~</b>	5. Member(s) of the team have experience securing digital services	
<b>~</b>	6. A Federal contracting officer is on the internal team if a third party will be used for development work	Share and more
<b>~</b>	7. A Federal budget officer is on the internal team or is a partner	
<b>~</b>	The appropriate privacy, civil liberties, and/or legal advisor for the department or agency is a partner	

	PLAY 8 Choose a modern technology stack in list Done		Y Your
	Recurring Add #tags ▼ Spent / Estimate ▼		
	Description Edit		Add
	The technology decisions we make need to enable development teams to work efficiently and enable services to scale easily and cost-effectively. Our choices for hosting infrastructure, databases, software frameworks, programming languages and the rest of the technology stack should seek to avoid vendor lock-in and match what successful modern consumer and enterprise software companies would choose today. In particular, digital services teams should		A Members
			☑ Checklist
	consider using open source, cloud-based, and commodity solutions acro technology stack, because of their widespread adoption and support by successful consumer and enterprise technology companies in the private		② Due Date
	successful consumer and enterprise technology companies in the private	e sector.	
100%	Play 8 - Checklist Hide completed items	Delete	Actions
✓	Choose software frameworks that are commonly used by private sections companies creating similar services	<del>Of</del>	⊗ 00:00:00s
<b>~</b>	2. Whenever possible, ensure that software can be deployed on a variety commodity hardware types	<del>y of</del>	→ Move
<b>~</b>	3. Ensure that each project has clear, understandable instructions for sea		<b>□</b> Сору
	up a local development environment, and that team members can be quadded or removed from projects		Subscribe
<b>~</b>	Consider open source software solutions at every layer of the stack		
	Add an item		
$\subseteq$	Play 8 - Key Questions Hide completed items	Delete	Share and more
100%	What is your development stack and why did you choose it?		
<u>~</u>	Which databases are you using and why did you choose them?		
V	How long does it take for a new team member to start developing?		
	Add an item		

	PLAY 9 Deploy in a flexible hosting in list Done  ☐ Recurring  Add #tags ▼ Spent / Estimate ▼	g environment	Tour 🌋
			Add
_,			A Members
100%	Play 9 - Checklist	Hide completed items Delete	
	Resources are provisioned on demand		
<b>~</b>	2. Resources scale based on real time user de	mand	
<b>~</b>	3. Resources are provisioned through an API		② Due Date
<b>~</b>	4. Resources are available in multiple regions		
<b>~</b>	5. We only pay for resources we use		
<b>~</b>	6. Static assets are served through a content d	lelivery network	Actions
<b>~</b>	7. Application is hosted on commodity hardward	e	⊗ 00:00:00s
	Add an item		→ Move
$\subseteq$	Play 9 - Key Questions	Hide completed items Delete	□ Copy
100%			Subscribe
<u>~</u>	Where is your service hosted?		
<u> </u>	What hardware does your service use to run?		
<b>~</b>	What is the demand or usage pattern for your	service?	
~	What happens to your service when it experien	nces a surge in traffic or load?	Share and more
<b>~</b>	How much capacity is available in your hosting	environment?	
<b>~</b>	How long does it take you to provision a new reserver?	esource, like an application	
<b>~</b>	How have you designed your service to scale b	pased on demand?	
<b>~</b>	How are you paying for your hosting infrastruct daily, monthly, fixed)?	ture (e.g., by the minute, hourly,	
<b>~</b>	Is your service hosted in multiple regions, avail-	ability zones, or data centers?	
<b>~</b>	In the event of a catastrophic disaster to a data have the service operational?	acenter, how long will it take to	
<b>~</b>	What would be the impact of a prolonged down	ntime window?	
<b>~</b>	What data redundancy do you have built into the impact of a catastrophic data loss?	he system, and what would be	
~	How often do you need to contact a person from resources or to fix an issue?	m your hosting provider to get	

	PLAY 10 Automate testing and dep	oloyments	Tour 🎗
	☐ Recurring Add #tags ▼ Spent / Estimate ▼		
	Description Edit		Add
	Today, developers write automated scripts that	can verify thousands of	A Members
	scenarios in minutes and then deploy updated	code into production	A Members
	environments multiple times a day. They use a which simulate surges in traffic to identify perfo	rmance bottlenecks. While	
	manual tests and quality assurance are still neconsistent and reliable protection against unint	entional regressions, and make it	
	possible for developers to confidently release f	requent updates to the service	② Due Date
$\subseteq$	Play 10 - Checklist	Hide completed items Delete	
100%	Create automated tests that verify all user fa	acing functionality	Actions
<b>~</b>	2. Create unit and integration tests to verify mo	odules and components	≥ 00:00:00s
<b>~</b>	3. Run tests automatically as part of the build p	orocess	2 00.00.003
<b>~</b>	4. Perform deployments automatically with dep delivery services, or similar techniques	oloyment scripts, continuous	→ Move
<b>~</b>	5. Conduct load and performance tests at regu	ılar intervals, including before	□ Сору
	public launch		Subscribe
	Add an item		
_,			
$\subseteq$	Play 10 - Key Questions	Hide completed items Delete	
100%	What percentage of the code base is covered in	hy automated tests?	Share and more
~	How long does it take to build, test, and deploy		
×	How long does it take to build, test, and deploy		
	How frequently are builds created?	-a new reature into production:	
	What test tools are used?		
	Which deployment automation or continuous in	ntegration tools are used?	
<b>~</b>	What is the estimated maximum number of cor		
_	use the system?	Tourient addite who will want to	
<b>~</b>	How many simultaneous users could the systemost recent capacity test?	m handle, according to the	
<b>~</b>	How does the service perform when you exceed volume? Does it degrade gracefully or catastro		
~	What is your scaling strategy when demand inc	creases suddenly?	

	PLAY 11 Manage security and privacy through re in list <u>Done</u>	usable proce	esses ×
	☐ Recurring Add #tags ▼ Spent / Estimate ▼		
	■ _Edit the description		Add
			A Members
100%	Play 11 - Checklist Hide completed it	ems Delete	
<b>~</b>	Contact the appropriate privacy or legal officer of the department of determine whether a System of Records Notice (SORN), Privace		☑ Checklist
	Assessment, or other review should be conducted		② Due Date
<b>~</b>	2. Determine, in consultation with a records officer, what data is or why, how it is used or shared, how it is stored and secured, and however.		
<b>~</b>	3. Determine, in consultation with a privacy specialist, whether and how users are notified about how personal information is collected and used, including whether a privacy policy is needed and where it should appear, and how users will be notified in the event of a security breach		Actions
			⊗ 00:00:00s
<b>~</b>	4. Consider whether the user should be able to access, delete, or their information from the service	remove	→ Move
<b>~</b>	5. "Pre certify" the hosting infrastructure used for the project using	-FedRAMP	□ Сору
<b>~</b>	6. Use deployment scripts to ensure configuration of production er remains consistent and controllable		Subscribe
	Add an item		
100%	Play 11 - Key Questions Hide completed it	ems Delete	Share and more
✓	Does the service collect personal information from the user? How notified of this collection?	is the user	
<b>~</b>	Does it collect more information than necessary? Could the data be ways an average user wouldn't expect?	<del>e used in</del>	
<b>~</b>	How does a user access, correct, delete, or remove personal infor	mation?	
<b>~</b>	Will any of the personal information stored in the system be shared services, people, or partners?	d with other	
<b>~</b>	How and how often is the service tested for security vulnerabilities	2	
~	How can someone from the public report a security issue?		

	PLAY 12 Use data to drive decisions	X
	in list <u>Done</u>	Tour 🔀
	☐ Recurring Add #tags ▼ Spent / Estimate ▼	
	Description Edit	Add
	At every stage of a project, we should measure how well our service is working for our users. This includes measuring how well a system performs and how	A Members
	people are interacting with it in real-time. Our teams and agency leadership should carefully watch these metrics to find issues and identify which bug fixes	
	and improvements should be prioritized. Along with monitoring tools, a feedback mechanism should be in place for people to report issues directly.	
	Play 12 - Checklist <u>Hide completed items</u> <u>Delete</u>	② Due Date
100%		
<b>~</b>	1. Monitor system level resource utilization in real time	
~	2. Monitor system performance in real time (e.g. response time, latency, throughput, and error rates)	Actions
~	3. Ensure monitoring can measure median, 95th percentile, and 98th	8 00:00:00s
	percentile performance	→ Move
<b>~</b>	4. Create automated alerts based on this monitoring	<b>□</b> Сору
<b>~</b>	5. Track concurrent users in real time, and monitor user behaviors in the aggregate to determine how well the service meets user needs	Subscribe
<b>~</b>	6. Publish metrics internally	
<b>~</b>	7. Publish metrics externally	
<b>~</b>	8. Use an experimentation tool that supports multivariate testing in production	
	Add an item	Share and more
<u></u>	Play 12 - Key Questions  Hide completed items Delete	
100%		
~	What are the key metrics for the service?	
<b>~</b>	How have these metrics performed over the life of the service?	
<b>~</b>	Which system monitoring tools are in place?	
<b>~</b>	What is the targeted average response time for your service? What percent of requests take more than 1 second, 2 seconds, 4 seconds, and 8 seconds?	
<b>~</b>	What is the average response time and percentile breakdown (percent of requests taking more than 1s, 2s, 4s, and 8s) for the top 10 transactions?	
<b>~</b>	What is the volume of each of your service's top 10 transactions? What is the percentage of transactions started vs. completed?	
~	What is your service's monthly uptime target?	
<b>✓</b>	What is your service's monthly uptime percentage, including scheduled	

	PLAY 13 Default to open in list <u>Done</u> ☐ Recurring	Tour 🏖 ×		
	Description Edit	Add		
	When we collaborate in the open and publish our data publicly, we can improve Government together. By building services more openly and publishing open	A Members		
	data, we simplify the public's access to government services and information, allow the public to contribute easily, and enable reuse by entrepreneurs,			
	nonprofits, other agencies, and the public.	☑ Checklist		
$\subseteq$	Play 13 - Checklist <u>Hide completed items</u> <u>Delete</u>	② Due Date		
100%				
✓ 1. Offer users a mechanism to report bugs and issues, and be responsive to these reports				
~	2. Provide datasets to the public, in their entirety, through bulk downloads and	Actions		
	APIs (application programming interfaces)	≥ 00:00:00s		
~	3. Ensure that data from the service is explicitly in the public domain, and that rights are waived globally via an international public domain dedication, such as the "Creative Commons Zero" waiver	→ Move		
<b>~</b>	4. Catalog data in the agency's enterprise data inventory and add any public datasets to the agency's public data listing	□ Сору		
<b>~</b>	5. Ensure that we maintain the rights to all data developed by third parties in a manner that is releasable and reusable at no cost to the public	Subscribe		
<b>~</b>	6. Ensure that we maintain contractual rights to all custom software developed by third parties in a manner that is publishable and reusable at no cost			
<b>~</b>	7. When appropriate, create an API for third parties and internal users to interact with the service directly	Share and more		
~	8. When appropriate, publish source code of projects or components online			
~	9. When appropriate, share your development process and progress publicly			
	Add an item			
<b>☑</b>	Play 13 - Key Questions Hide completed items Delete.	-		
100%	How are you collecting user feedback for bugs and issues?			
~	If there is an API, what capabilities does it provide? Who uses it? How is it documented?			
~	If the codebase has not been released under an open source license, explain why.			
<b>~</b>	What components are made available to the public as open source?			