**OMB MVP - Release 1 Week 3 Assessment**

**Introductory Text**

Welcome to Release 1’s Week 3 Assessment! This assessment will provide valuable information for program enhancements, verify that you and other participants are acquiring the desired knowledge and achieving the performance objectives, and help us ensure program offerings meet your learning needs.

Section 1 of the assessment contains several questions about your Release 1 activities and evaluations of your experiences. Section 2 of the assessment contains questions that check your knowledge of important Release 1 topics.

The results of the assessment will inform content for subsequent Releases, to ensure all participants are provided the support necessary to master the desired performance objectives. Thank you for your participation!

**Last Name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**First Name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**SECTION 1**

1. Please indicate which learning activities you participated in during Release 1. Please select all that apply, as well as list any additional activities you performed.

* Release Scenario Staging
* Reading: Digital Government: Building a 21st Century Platform to Better Serve the American People
* Reading: Agile Overview (18F)
* Reading: Large scale development culture change: Google and the U.S. Government (18F)
* Reading: Industry Insight: Why DevOps is good for government
* Reading: Same but different: A common international approach to digital government (UK Digital Services)
* Reading: Obama and his Geeks (Fast Company)
* Reading: Digital Services Categories and Examples
* Live Digital Services Assignment: Task 1
* Online Learning: The Who and What
* Online Learning: The How
* Online Learning: Understanding Sources of Supply
* Online Learning: Responsible Pre-Solicitation Communication
* Demonstrated Learning: Digital Services Guidebook
* Activity: Contribute to the 18F Agile Guide
* Other: [text field]

1. To what extent did you use your Individual Development Plan (IDP) results to help you focus your efforts during Release 1?

* To a Great Extent
* To a Moderate Extent
* To a Slight Extent
* Not at All

1. Please select the response that best describes your experiences during Release 1. (Response Scale: To a Great Extent; To a Moderate Extent; To a Slight Extent; Not at All)

* The information in Release 1 is applicable to my work.
* The overall quality of the Release 1 learning materials and activities supported effective learning.
* The blend of self-directed learning materials with guided learning sessions (office hours, iteration retrospective) for Release 1 was appropriate.
* The amount of effort that was required for all the various learning materials in Release 1 seemed to be at the right level.
* I was able to navigate and access Release 1 materials effectively in the portal.
* I am committed to applying what I learned in Release 1 to my work.
* As a result of my experiences during Release 1, I feel that my work behaviors will improve.
* Release 1 was a worthwhile investment of my time.

1. Consider the learning experience you have had thus far during Release 1. To what extent were your expectations met in regards to Release 1?

* To a Great Extent
* To a Moderate Extent
* To a Slight Extent
* Not at All
* Why or why not? [text field]

1. Consider the topics explored during Release 1. Are you currently in a job role where you can apply what you have learned immediately?

* Yes - If yes, please provide specific examples of what you are already applying to your daily work. Please describe the situation, what you did, and what the outcome was. [text field]
* No

1. Based on what you have experienced thus far during Release 1, please share any comments or specific suggestions for improvements in (1) content (what was taught),
2. Based on what you have experienced thus far during Release 1, please share any comments or specific suggestions for improvements in the (2) instruction (how it was taught)
3. Based on what you have experienced thus far during Release 1, please share any comments or specific suggestions for improvements in (3) technology (your portal experience). [text field]

**SECTION 2**

**Summarize current state of digital services in 21st century government**

1. The OMB Digital Services Advisory Group
2. Deploys technologists to other agencies
3. Prioritizes projects and assigns technologists
4. Identifies and promotes digital services best practices\*
5. Recruits technologists for 12-month periods
6. The Federal government needs to revise the way it approaches digital service projects because: (Select all that apply)

A.    too many services do not work, and are late and over-budget. \*

B.     it needs to compete more effectively with the private sector.

C.     consumers are expecting more cutting-edge technology.\*

D.    it must work more efficiently given constant budget cuts.  \*

1. Which digital service “layer” does a mobile device (e.g., smart phone or tablet) belong to?:
   * 1. Information layer
     2. Platform layer\*
     3. Presentation layer
     4. Source Layer
2. Which digital service “layer” does a mobile application belong to?
3. Information layer
4. Platform layer
5. Presentation layer\*
6. Source Layer
7. The Food and Drug Administration (FDA) wanted to allow researchers and developers to search their public data, including information about adverse events (reports of undesirable experiences associated with the use of a medical product in a patient) submitted to the agency. To meet the need, the development team created “openFDA,” an API that includes an interactive tool, which allows users to test out the API within a console, and helps to clarify the different components of a query. Explain the who, what, and why of this digital service example.
8. The who is the FDA. The what is the interactive API tool. The why is to search public data submitted to the agency.
9. The who is researchers and developers. The what is to search public data. The why is to be more informed.\*
10. The who is the development team. The what is information about adverse events. The why is to run queries.

**Discuss various profiles and methods of DS professionals and challenges of their environment**

1. Which of the following are a characteristic of an Agile methodology? (Select all that apply)
   1. Straightforward
   2. Incremental\*
   3. Predictable
   4. Collaborative\*
   5. Sequential
2. Which role is responsible for setting the direction of the product and prioritizing backlog?
3. Product owner\*
4. Scrum master
5. IT project manager
6. Select the four core values in the Agile Manifesto from the list below:
7. Individuals and interactions over processes and tools\*
8. Customer satisfaction over timely delivery of software
9. Continuous development over technical excellence
10. Working software over comprehensive documentation\*
11. Customer collaboration over contract negotiation\*
12. Frequent, working software over high-quality software
13. Responding to change over following a plan\*
14. The components of a user story include:
15. Person, Action, Outcome
16. Role, Goal, Benefit\*
17. Who, When, Where

**Illustrate sources of supply for DS**

1. What are the most important things to look for when researching software development companies?
   * + 1. Rigorous internal controls and type of management structure
       2. Current size of the company and how long they have been in operation
       3. Past performance ratings and portfolios of completed work products\*
2. Before you start conducting market research into your customer's need, what do you think is the most important information to know?
   * + 1. The specification or requirements document defining the work to be completed
       2. The top two defining characteristics of the customer's need\*
       3. The type of contract you will use to buy the product or service
3. Which choice best describes your goal when conducting market research into sources of supply for digital services?
   * + 1. Learn about how your target market segment operates, from payment/delivery terms to how work gets done\*
       2. Learn about the two or three companies that represent the best value for your customer's need
       3. Learn about whether there are enough small businesses to set-aside the procurement
4. Companies that provide virtual services to customers on a subscription or fee basis operate in what market segment?
   * + 1. Agile software development
       2. Design services
       3. X-as-a-service\*

**Communicate effectively with customers and users**

1. Of the following choices, which method enables you to test your understanding of the end-user’s need?
   * 1. Developing and testing a minimum viable product (MVP)\*
     2. Documenting the differences between what the government currently provides end-users and what is desired
     3. Conducting an “industry day” to collect examples of how similar end-user needs have been met
2. In your pre-solicitation communications for digital services, it can be helpful to gather information from vendors, customers and end users. What information should you obtain from your Customers?

A. Desired outcomes\*

B. Expected uses

C. Alternative solutions

D. Specifications

1. In your pre-solicitation communications for digital services, what information should you obtain from vendors or industry?

A. Desired outcomes

B. Expected uses

C. Alternative solutions\*

D. Specifications

1. Which of the following options best describes how you would collaborate with a customer to match their needs to digital solutions?
   * + 1. Ask the customer to provide a list of requirements for a digital service, and then conduct market research to create a list of examples of how such requirements are fulfilled.
       2. Ask the customer to review your list of digital service categories, and then tell you how relevant they believe each category is to their need.
       3. Ask the customer to describe the specific problems the customer is trying to solve or the outcomes the customer needs to deliver, and then confirm you have understood those needs/outcomes.\*
2. Please rate your level of familiarity with each of the following terms. In other words, for each term, would you be confident explaining that term to a customer or other influential stakeholder? (very familiar/confident, moderately familiar/confident, not familiar/confident) After you rate your familiarity, write-in the definition you would give for each term.
   * + - 1. DevOps Definition: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
         2. Cloud Definition: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
         3. Technology stack Definition: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
         4. Digital services Definition: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
         5. Responsive web design Definition: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
         6. Agile development Definition: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
         7. Customer journey map Definition: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
         8. Pattern library Definition: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
         9. Minimum viable product (MVP) Definition: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
         10. A/B testing Definition: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
         11. Personas Definition: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
         12. Open source Definition: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Determine which DS concept is applicable to a customer need**

1. A customer seeks to store and aggregate weather data from multiple sources for use by the Department of Parks and Recreation as well as the Federal Aviation Administration. Which of the following digital services concept(s) is/are most relevant to the customer’s need? (Select all that apply.)
   * + - 1. Cloud services\*
         2. Data hosting\*
         3. Custom website development\*
         4. Scrum
         5. GitHub
         6. SORN
         7. Privacy Impact Assessment (PIA)
2. Please indicate whether each of the following statements describes a “customer need” or a “customer requirement”:
   * + - 1. “Citizens have an easy way to compare reliable information about colleges/universities.”

Customer need\*

Customer requirement

* + - * 1. “Data must be collected in a manner compliant with the Agency’s PIA recommendations.”

Customer need

Customer requirement\*

* + - * 1. “Citizens have a secure method to file for immigration status in the United States.”

Customer need\*

Customer requirement

1. The Office of Child Support Enforcement at the Administration for Children and Families had created a [visually appealing website](http://www.acf.hhs.gov/programs/css), but its key stakeholders complained they could no longer easily find needed information. Their feedback prompted the Office of Child Support Enforcement to facilitate a UX-minded focus group to recommend improvements. Which U.S. Digital Service Play does this case study represent?
2. Address the whole experience
3. Understand what people need\*
4. Use data to drive decisions
5. The National Oceanic and Atmospheric Administration (NOAA) has a small digital team with limited time, and a small budget. Redesigning their website (and testing that redesign for usability) was a daunting undertaking. The first part of their strategy was to adopt the popular [Twitter Bootstrap](http://getbootstrap.com/) framework, which is very flexible and well-documented. The second part was to have a usability testing process that was ‘iterative and informal.’ Which U.S. Digital Service Play does this case study represent?
6. Automate testing and deployments
7. Make it simple and intuitive
8. Default to open\*
9. True or False: The Internet of Things substantially impacts the volume, velocity, and variety of data available. This makes traditional relational databases and database management systems inadequate. New processing methods and algorithms must be employed to make any beneficial use of the data. (TRUE)
10. For each of the following statements, indicate whether it is True or False.
    1. The Internet of Things substantially impacts the volume, velocity, and variety of data available. (TRUE)
    2. Effective use of Big Data requires common data fields and data collection across diverse data sets. (FALSE)
    3. New processing methods and algorithms must be employed to make more beneficial use of data stemming from the Internet of Things. (TRUE)
11. Open Data means:
12. The standardization of multiple data set formats to relate to one another in support of Big Data.
13. That information generated by public and private institutions should be accessible to the public online.\*
14. Developing or approving Open Standards through a collaborative and consensus driven process.
15. Uncontrolled use and reproduction of data made available online without attribution or license..