Project: Records Development Security Operations (RDSO)/ Star Power

ID	Epic	User Story	Acceptance Criteria	Point	Assignee	Status
			Sprint 0			
UR-1	Data Models	As a data scientist, I would like to have a high-level understanding of data, data sources, and relationships, so that I can design data models.	1. I have a clear understanding of data. 2. I can identify data sources. 3. Able to finalize design of data models.	3	Brian	Done
UR-2	Architecture	As a DevSecOps Engineer, I want to configure Amazon HSM implementation, so that the team can provide services for encryption.	1. Implement HSM on cloud and on local. 2. Design microservices to integrate HSM with dossiers.	8	Odwayne	Done
UR-3	Visualizations	As a UI Designer, I would like to conduct a usability study for UI conceptualization to understand user needs.	1. Create initial wireframes based on high level concept 2. Perform UI Color Study.	1	Lauren	Done

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UR-4	Environment	As a DevSecOps engineer, I need to create an AWS environment that will consolidate data from multiple data sources and allow for Data preparation.	1. Consolidate data and process. 2. Create files and store data in S3. 3. Schedules on the pipeline	3	Ian	Done
			Sprint 1			
UR-5	Architecture	As a DevSecOps Engineer, I want to build a script to standup CI/CD pipeline with quality gates, so that developers and data scientists can start using the pipeline.	1. Create fully automated scripts to stand up CI/CD pipeline. 2. Integrate pipeline with data & visualization services. 3. Dev, test & production environments deployed	5	Ian	Done
			Sprint 1			
UR-6	Security	As a business user, I need the ability to log in and out of the application, so that I can see components based on user permission.	1. Log in and out as business user 2. Log in and out as business supervisor 3. Delete dossier option only if visible to supervisor	3	Brad	Done

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UR-7	Data Models	As a data scientist, I need the ability to do a fuzzy-style search for a celebrity profile using any combination information.	1. Implement Levenstein to merge different spellings of celebrity names. 2. Search index data along three dimensions. 3. Create microservice to hand off results to front-end.	3	Dave	Done
UR-8	Data Models	As a data scientist, I need the ability to view the top 10 movies that are similar to a given movie title, based on plot summary.	1. Cluster movies by genre 2. Calculate a given movie distance. 3. Find top 10 nearest neighbors	5	Dave	Done
UR-9	Visualizations	As a business user, I need the ability to view a cluster visualization with the given movie highlighted, so I can show its fit within a genre.	1. Provide similarity results as a microservice endpoint. 2. Implement front-end to group movies by similarity.	8	Brian	Done
UR-10	Data Models	As a data scientist, I need to utilize natural language entity recognition to identify identities so that I can provide predictive redaction suggestions.	1. Identify entities from the plot summary and provide them as endpoint. 2. Color coding of entities based on role	5	Brian	Done

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UR-11	Environment	As a DevSecOps Engineer, I need to integrate the content management solution with AWS Cloud HSM in a manner that supports use of a content encryption key for objects in the content store and a master key that encrypts the content encryption key.	1. Create master key for cloud HSM. 2. Provide encryption and decryption services for dossiers. 3. Dossiers when created should be encrypted	8	Odwayne	Done
Sprint 1						
UR-12	Environment	As a DevSecOps Engineer, I need to create an AWS environment that will consolidate data from multiple data sources and allow for data preparation.	1. I have a working pipeline connected to a AWS account. 2. I have one or more jobs that obtain and consolidate data from multiple data sources	5	Brian	Done
UR-13	Environment	As a DevSecOps Engineer I need to prepare monitoring dashboards.	1. Integrate Kabana 2. Integrate ELK. 3. Provide single pane monitoring.	2	Ian	Done

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UR -14	Visualizations	As a data scientist, I need to be able to have an infinity scroll infographic to view the raw data.	1. Create a page with all raw training data. 2. Implement infinite scrolling.	3	Brad	Done
UR -15	Security	As a DevSecOps engineer, I need to be able to integrate basic authentication to support user login.	1. I can do authentication via basic auth against the application. 2. I receive a JWT token upon successful authentication via basic auth. 3. I am able to authenticate against the application using the JWT token as a HTTP header. 4. My user name and role are accessible to the spring boot application via the JWT referenced in AC 1 and 2.	5	Ian	Done

Sprint 2

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UR -16	Environment	As a Data Scientist I need to integrate training within CICD pipeline including model versioning in the pipeline and deploying notebooks	1. Train models within CICD 2. Output trained models to be deployed into production 3. Perform versioning on the models using CICD	5	Brian	Done
UR -17	Environment	As a DevSecOps Engineer I need the ability to destroy a given environment	1. On Concourse we need a stage in the pipeline that can delete an environment per environment 2. This stage should require a manual trigger.	2	Carlyle	Done

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UR -18	Visualizations	As a developer I would like to see the version in the binary repository	1. Containers should be tagged with version number incremented as part of the process	2	Brad	Done
UR -19	Data Models	As a business user, I would like to be able to search by any combination of celebrity name, celebrity alias, and/or movie name, for better search results.	1. I can do a fuzzy style search on celebrity name. 2. I can do a fuzzy style search on celebrity alias. 3. I can do a fuzzy style search on movie name.	5	Brad	Done
UR -20	Security	As a Business Supervisor, I need the ability to view, and add data when needed, so I can manage application data.	1. Provide file upload to add data to a dossier 2. Display dossier on web front end	5	Brad	Done

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UR-21	Data Models	As a Data Scientist/ Business Supervisor, I need to view graphical representations and synthesize data in the dossier graph section.	1. When I view a dossier I see a graph representing vectorization of plot summaries projected into two dimensions, which is sourced from a combination of lineages and is generated through data science processes. 2 I see all movies that belong to the same genre as the movie for this dossier indicated as dots colored the same color. 3. I see all other movies that we classified in a different color. 4. I see the movie in question clearly called out in the graph as a red target.	5	Dave	Done
UR-22	Data Models	As a Data scientist , I need to implement Artificial Intelligence and Machine Learning to ensure that records that may differ in spelling or by context are recognized as being the same and are used to create the single record view.	1. Utilize context matching to correlate records 2. Prioritize entity IDs then fuzzy matching on names with a threshold greater than 95	5	Brian	Done

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UR -23	Architecture	As a DevSecOps Engineer, I need the ability to completely demonstrate and output results of automated security scans and code testing as part of my pipeline	1. Integrate SonarQube 2. Configure to scan on deployments 3. Present reports 4. Automated in pipeline	3	Ian	Done
UR -24	Visualizations	As a business user, I need to be able to review classifications using an infinite scroll HTML web page	1. Shall include data visualizations, analysis and insight for; movie plots, celebrity name and movie character names. 2. Based on 10 years of historical data (6/1/2009 - 6/1/2019)	8	Brad	Done
UR -25	Security	As a business supervisor, I need the ability to securely delete any dossier in a manner that renders them permanently unreviewable.	1. Delete dossier from the front end using only Business Supervisor role, confirm it with S3. 2. Delete keys 3. Update movie reference as deleted 4. Add audit log	5	Odwayne	Done
UR -26	Architecture	As a Developer, I need referential integrity when creating the dossier view from each of the source databases	1. For each element of the dossier that comes from a single external data source I see that data source called out clearly in the UI as the "lineage" for that element. 2. For any elements that come from a combination of data sources I see that fact called out clearly in the UI as the "lineage" for that element.	3	Carlyle	Done

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UR -27	Architecture	As a Develops Engineer I need to be able to stand up the entire infrastructure using a single 100% automated scripts with a minimum number of commands.	1. Single script to provision CICD, environments, Clouds cluster, Elastic Search clusters. 2. Provision HSM, proven pipelines, automatically trigger pipelines	3	Ian	Done
UR -28	Environment	As a DevSecOps engineer, I need to be able to apply certificates for the deployed applications,	1.Apply SSL certificates. 2. Leverage self-signed certificates, so clients can replicate process without a DNS entry	2	Carlyle	Done
UR -29	Architecture	As a Developer, I need to utilize Lambda, for dossier telemetry.	1. Use lambda to facilitate streaming CloudWatch logs to ElasticSearch using Terraform.	1	Brad	Done