# Memo

To: Christopher Elliott

From: Ryan Somers, Pierre Badra, Sebastian Canales Burke, Joshua Magnan, Sabrina Tochkov

Date: October 10th, 2024

Subject: HIAAA User Stories, Diagrams & Estimation Capture

Hi Christopher,

Here is a breakdown of the work we did for K40 A02 Section 1, Parts B & C.

Our convergence on the elevator pitch, primary roles and user stories, which are fairly similar to the ones outlined in the previous assignment.

Elevator pitch: For project developers who need an application management system, the **Heritage IAAA (HIAAA)** appis a centralized login service that supports multiple clients and identity providers. Unlike the current Application Management System (AMS) which supports only the College and has been limited by the new data privacy law, our project offers a cloud-based infrastructure which doesn’t store personal information and offers various methods for managing applications, authentication and authorization.

**Primary roles, actors, and stakeholders** involved, along with a brief description of each:

|  |  |
| --- | --- |
| **HIAAA** Administrator | The Overarching Admin responsible for overseeing **HIAAA**, having access to all applications and App Admins. |
| App Administrator | The Admin for an individual application that manages specific user roles and permissions with their designated app. |
| App Developer | These are the developers who work on the application registered on **HIAAA** who consume the web service provided to set up authentication and authorization for the end users. |
| End Users | Users who access the applications managed by **HIAAA**, authenticate and get assigned the proper roles. |
| Identity Providers | External services (e.g., Azure AD, MSIP) that provide authentication credentials for users. **HIAAA** will integrate with multiple IdPs. |

**User stories (epics) and their estimations**

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| --- | --- | --- |
| Link | User story | Estimation |
| [Epic 16](https://csazure.cegep-heritage.qc.ca:8080/F2024/Team%201%20-%20A-A%20System/_workitems/edit/16/) | As an **HIAAA** Administrator, I want to be able to create an App Admin account so that they can use **HIAAA**. | 5 |
| [Epic 17](https://csazure.cegep-heritage.qc.ca:8080/F2024/Team%201%20-%20A-A%20System/_workitems/edit/17/) | As an **HIAAA** Administrator, I want to be able to see reports and logs of activity on **HIAAA** so that I can monitor issues. | 13 |
| [Epic 18](https://csazure.cegep-heritage.qc.ca:8080/F2024/Team%201%20-%20A-A%20System/_workitems/edit/18/) | As an **HIAAA** Administrator, I want to be able to manage the Applications, Roles and Users under an App Administrator so that I can make changes if needed. | 8 |
| [Epic 19](https://csazure.cegep-heritage.qc.ca:8080/F2024/Team%201%20-%20A-A%20System/_workitems/edit/19/) | As an App Administrator, I want to be able to manage my applications so that I can make changes as needed. | 21 |
| [Epic 20](https://csazure.cegep-heritage.qc.ca:8080/F2024/Team%201%20-%20A-A%20System/_workitems/edit/20/) | As an App Administrator, I want to be able to choose the Identity Provider(s) used in my app so that my users authenticate in the way I decide. | ? |
| [Epic 22](https://csazure.cegep-heritage.qc.ca:8080/F2024/Team%201%20-%20A-A%20System/_workitems/edit/22/) | As an App Administrator, I want to be able to manage roles for my applications so that I can determine permissions for users. | 13 |
| [Epic 23](https://csazure.cegep-heritage.qc.ca:8080/F2024/Team%201%20-%20A-A%20System/_workitems/edit/23/) | As an App Administrator, I want to be able to manage users for my applications so that I can define which roles they have in the application. | 13 |
| [Epic 24](https://csazure.cegep-heritage.qc.ca:8080/F2024/Team%201%20-%20A-A%20System/_workitems/edit/24/) | As an App Developer, I want to be able to use **HIAAA** as a web service so that I can configure Authentication and Authorization services for the app.  \*\* this is technical, but it is still important to consider, as the GUI itself is also a consumer of the web service. \*\* | 34 |
| [Epic 25](https://csazure.cegep-heritage.qc.ca:8080/F2024/Team%201%20-%20A-A%20System/_workitems/edit/25/) | As an End User, I want to be able to authenticate with the Identity Provider of my choice so that I can log in in a way that is convenient for me. | 8 |
| [Epic 27](https://csazure.cegep-heritage.qc.ca:8080/F2024/Team%201%20-%20A-A%20System/_workitems/edit/27/) | As an End User, I want to be able to get the proper roles so that I can have the permissions needed to use the application. | 8 |
| [Epic 30](https://csazure.cegep-heritage.qc.ca:8080/F2024/Team%201%20-%20A-A%20System/_workitems/edit/30/) | As an App Administrator/Developer, I want thorough documentation so that I can know how to configure **HIAAA** with my application. | 55 |
| [Epic 32](https://csazure.cegep-heritage.qc.ca:8080/F2024/Team%201%20-%20A-A%20System/_workitems/edit/32/) | As an App Administrator, I want to be able to use MFA with my Identity Provider so that my app is more secure. | 21 |
| [Epic 40](https://csazure.cegep-heritage.qc.ca:8080/F2024/Team%201%20-%20A-A%20System/_workitems/edit/40/) | Setup database and infrastructure \*\* this is just for us as the developers to consider \*\* | 89 |
| [Epic 249](https://csazure.cegep-heritage.qc.ca:8080/F2024/Team%201%20-%20A-A%20System/_workitems/edit/249/) | Legacy AMS API | 55 |

**Note:** In Azure DevOps, the Epics above have been broken down into features, then user stories and tasks. Acceptance Criteria have been determined for each, but we will continue to improve our backlog as it’s more of a rough draft for now.

**Estimated Team Size** for production delivery by mid-April given the school calendar  
5 members - The team has agreed that we feel confident enough to take on the project without an additional team member.

**Use Case Diagram**\* See file Group1\_K40\_A02\_UseCaseDiagram.pdf

**System Context Diagram**\* See file Group1\_K40\_A02\_SystemContext\_Revised.pdf

**Next Steps**  
After converging on the big-picture elements included in Section 1 of the assignment, we will now focus our attention on Section 2. “Divide and conquer” will be our approach when it comes to the prototype and UI/UX design. We will come together after completing these two tasks to assess the technical risks of our project.

If you have any feedback or would like to discuss this further, please don’t hesitate to reach out.