Assignment-4 (Group 1)
Requirements for National Comedy Center

Project Introduction

The National Comedy Center, located in Jamestown, New York, is a museum dedicated to comedy. A lot of operations are involved at NCC, such as patron registration, patron's profile management, selection of comedians by patrons, exhibits showing audio or video as per selections made by patrons, managing patron's artifacts, fundraising, etc., to provide an immersive user experience. The Patron Profile System is crucial in increasing users' engagement at Nationa Comedy Center. To outline the Patron Profile System's requirements in Azure DevOps, the team came up with the format of creating an epic, features, and user stories.

Below are images of the requirements in Azure DevOps:

Image 1: Creation of Epic, Features, and User Stories
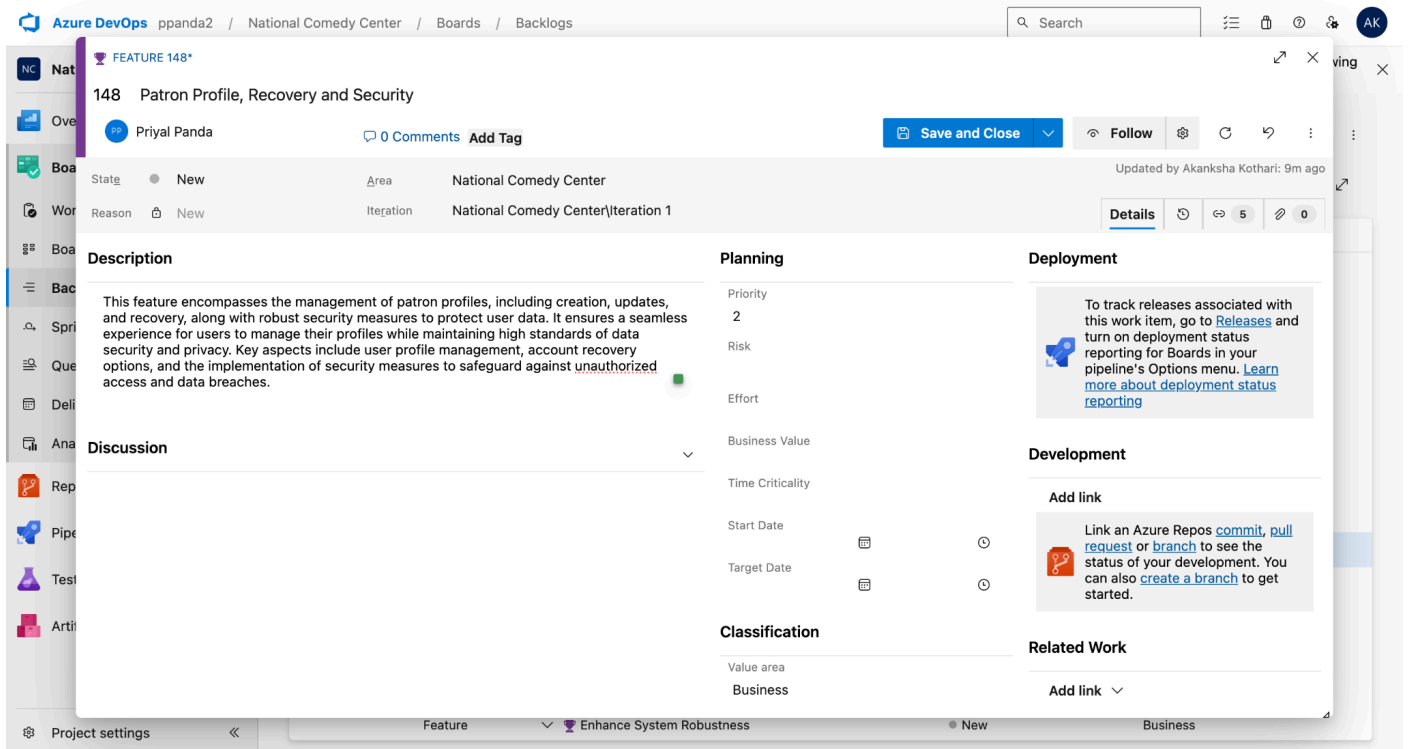
Image 2: Creation of Features

Image 3: Creation of User Stories
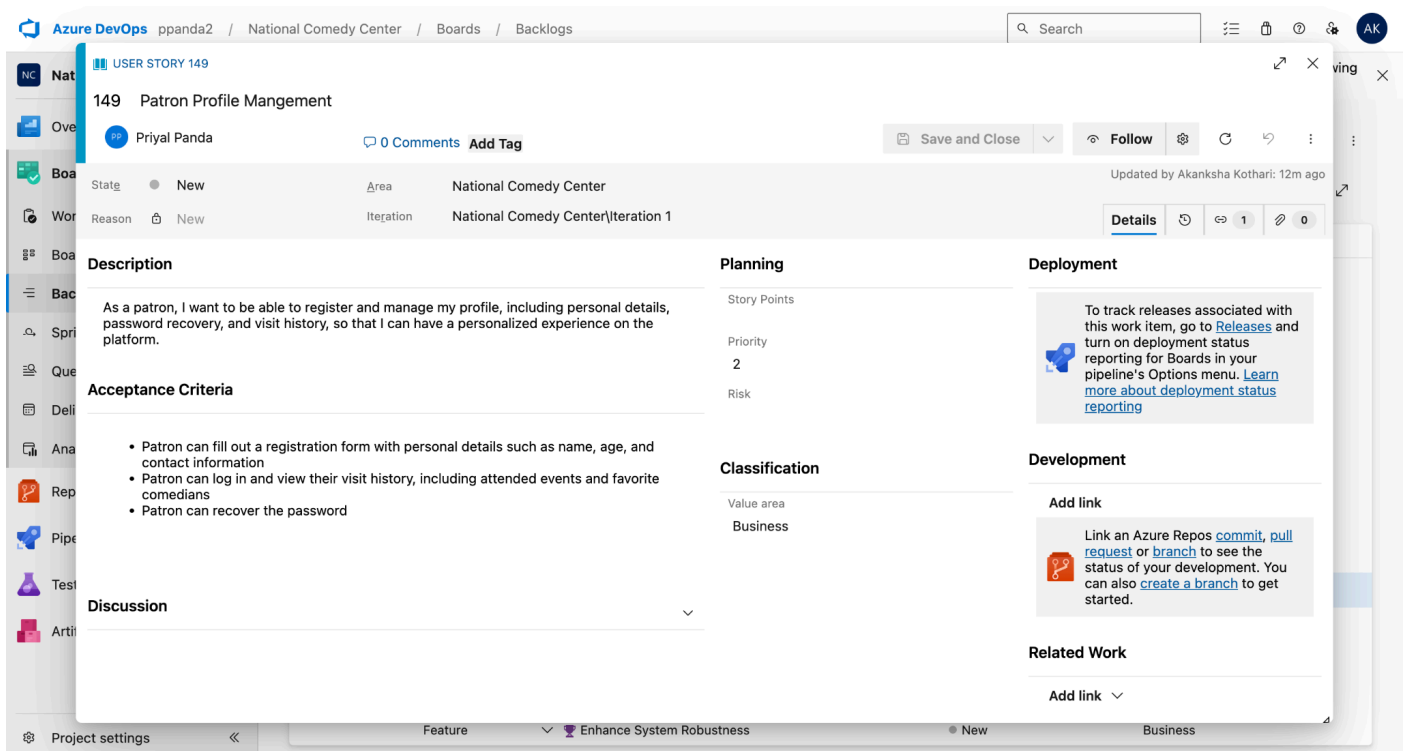
The following are the requirements to develop this system based on different perspectives:

1. Business Requirements

Perspective: Sponsors/System Champion

1. System should provide detailed analytics and reporting on patron engagement for decision-making
2. System should support patron segmentation based on profiles to increase membership renewals via promotional campaigns

2. Business Rule

Perspective: Developer

3. System should enforce data validation rules to ensure that all user inputs meet specified formats
4. System should log all changes in Patron's Profile

Perspective: Sponsors/System Champion

5. System should restrict access to certain data fields to only authorized personnel to ensure data security and privacy

3. Functional Requirements

Perspective: Users

6. System should provide a registration form that allows patrons to input information such as name, age, address, and phone number
7. System must allow patrons to log in and access their visit history
8. System should allow patrons to reset their password

Perspective: Developers

9. System must have capability of multi-factor authentication to enhance security

4. Nonfunctional Requirements

Perspective: Developers

10. System should be capable of handling multiple users simultaneously without hampering performance
11. System must employ encryption techniques to secure personal data

Perspective: Users

12. System should have a latency of less than 2 seconds for all major interactions

5. External Interface Requirements

Perspective: Developers

13. System must integrate with the social networking platform to enable patron to log in via social networking sites

Perspective: Sponsors/System Champion

14: System should allow sponsors to upload and manage their promotional content

6. Constraints

Perspective: Developers

15: System should comply with data protection and other relevant privacy laws
16. System must be deployed on the existing infrastructure to maintain consistency with other systems

Link to Azure DevOps for the project: [Azure DevOps](#)
References

1. National Comedy Center, https://comedycenter.org/
2. Major Air, *National Comedy Center Tour 2022 - Jamestown, NY, YouTube,* https://www.youtube.com/watch?v=BI-fwzf5kjU&t=316s