**Assignment 5**

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**INFO8685 – ITBA Capstone project**

**Prof. Nancy Engelhardt**

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# **Requirement Analysis:**

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| **Type** | **Section** | **RIN** | **Requirement Description** | **Priority** | **Notes** |
| Functional requirements | User Management | 1 | 1. The user will be able to create an account and log in to the Pay-Per-View streaming platform. 2. Users will be able to see their login history. | High | User can be logged in only on two devices simultaneously |
| Content Management | 2 | 1. Users will be able to filter content on the PPV streaming service based on category, language, and rating. 2. Users will be able to look for particular movies or events from a broad selection of films as well as non-movie options including live sporting events, opera performances, and concerts. | Medium | Movies will be segregated based on genres. |
| Streaming Playback | 3 | 1. Users will be able to start, pause, and continue playing through the streaming service. 2. Users will have access to high definition (HD) streaming of movies and events. 3. The consumers of the Pay-Per-View streaming service will be able to seek back or ahead in time | High | User cannot download any content from the platform. |
| Payment | 4 | 1. The payment gateway will support several payment options, such as PayPal and credit cards. 2. A secure payment mechanism will be integrated with the streaming service. | High | If transaction fails customer will get refund with in 5-7 business days |
| **Type** | **Section** | **RIN** | **Requirement Description** | **Priority** | **Notes** |
| Functional requirements | Functionality | 5 | 1. Pricing details for each film or event will be available to consumers. 2. Without committing to a lengthy subscription, customers will be able to buy or rent specific movies or events. | High |  |
| Non-functional requirements | Security | 6 | 1. The user authentication and authorization procedures used by the streaming service will be secure. 2. Data protection and payment processing security will be provided by the streaming provider. | High |  |
| Compatibility | 7 | 1. A large number of users will be supported by the streaming service. 2. The streaming service’s user interface will be quick and responsive. | High | Platform will be able to support future modifications and changes |
| Scalability | 8 | 1. The streaming service will feature both horizontal and vertical scaling capabilities. 2. The streaming service will be built to support future growth in both user and content. | High |  |
| Reliability | 9 | 1. With little downtime for maintenance, the streaming service will be accessible around-the-clock. 2. In case of system problems, the streaming service must have a disaster recovery strategy. | High |  |

**References:**

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