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| --- | --- |
| **Practicum Case** |  |
| COMP6681  Web Programming |
| **Computer Science** | **O221-COMP6681-SW01-01** |
| ***Valid on*** *Odd Semester Year 2021/2022* | **Revision 00** |

## Learning Outcomes

* Explain concept of web programming
* Choose a proper web programming technic to build web based application
* Build a web based application that complies with the requirements

## Topic

* Introduction to Laravel Framework

## Subtopics

* Laravel Installation
* Directory Structure
* Database and Apps Config
* Artisan Command
* Migration and Seeding

## Soal

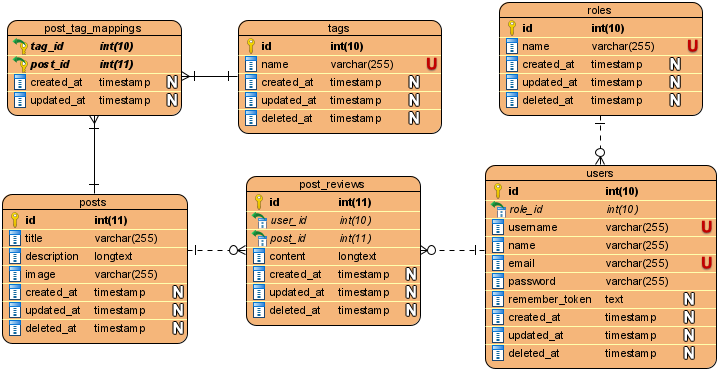
*Case*

**SWeeReview**

**SWeeReview** is an application where people can get the latest movie and review it. This application works as a discussion forum so that all users can leave comments.The companywants to build a web application that is easy to access and use, also no need to install additional tools or applications other than web browsers, where each operating system should have installed by default. The manager hires you as a web developer to build the website using a popular **PHP Framework** which is **Laravel Framework**.

In this meeting, you need to **create a migration** to create a table in the database and **create seeding** for the dummy data.

The following is the **Entity-Relationship Diagram** for **SWeeReview’s Database**:



**Figure 1. Entity Relationship Diagram for SWeeReview’s Database**

The following is the **dummy data** that must be prepare before developing a website:

* Roles Table Seeder

**Table 1. Role Table Seeder**

| Name |
| --- |
| Admin |
| Member |

* Users Table Seeder

**Table 2. User Table Seeder**

| Role Id | Username | Name | Email | Password |
| --- | --- | --- | --- | --- |
| 1 | superadmin | Super Admin | admin@sweereview.com | admin123! |
| 2 | dummy1 | Dummy Member 1 | dummy1@ sweereview.com | dummy123! |
| 2 | dummy2 | Dummy Member 2 | dummy2@ sweereview.com | dummy123! |
| 2 | dummy3 | Dummy Member 3 | dummy3@ sweereview.com | dummy123! |
| 2 | dummy4 | Dummy Member 4 | dummy4@ sweereview.com | dummy123! |
| 2 | dummy5 | Dummy Member 5 | dummy5@ sweereview.com | dummy123! |

* Tags Table Seeder

**Table 3. Tag Table Seeder**

| Name |
| --- |
| Action |
| Adventure |
| Comedy |
| Fantasy |
| Drama |
| Shounen |
| Monsters |
| Card Battles |

* Posts Table Seeder

**Table 4. Post Table Seeder**

| Title | Description | Image |
| --- | --- | --- |
| One Piece | Long ago the infamous Gol D. Roger was the strongest and most powerful pirate on the seas. As he was about to be executed he revealed that he hid all of his wealth, including the legendary treasure known as One Piece, on an island at the end of the Grand Line - a treacherous and truly unpredictable sea. Monkey D. Luffy is a spirited, energetic and somewhat dim-witted young man with a very big dream: to find One Piece and become the Pirate King! However Luffy is no ordinary boy, as when he was younger he ate one of the Devil's Fruits and gained its power to become a Rubber Man. Now in this grand age of pirates Luffy sets out to gather a crew and sail to the most dangerous sea in the world so that he can fulfill his dream... and maybe even his appetite! | one-piece.jpg |
| Naruto | Naruto Uzumaki is a young ninja who bears a great power hidden inside him, a power that has isolated him from the rest of his village. As such, his only dream is to become the Hokage - the most powerful ninja, and leader of the village; but first he needs to graduate! With his inability to perform even the most basic ninja techniques, it seems that all Naruto has going for him is his determination to succeed no matter what. Teamed up with the genius Sasuke, book-smart Sakura, and their team leader Kakashi, Naruto embarks on his quest to become the Hokage. But with outside forces posing a threat to the entire Hidden Leaf village, Naruto discovers that he must become much stronger if he ever wants to realize his dream and protect the friendships he's forged. | naruto.jpg |
| Naruto Shippuden | Two and a half years have passed since the end of Naruto’s old adventures. He has trained hard with Jiraiya-sama and has returned to Konoha to reunite with his friends; but Akatsuki, the organization that threatened Naruto years before, is on the move again and this time Naruto is not the only one in danger. With the powerful Akatsuki organization looming ahead of him, Sasuke still missing, and the struggle with the beast hidden inside him a continuous battle, will Naruto's hard-earned improvements be enough? Join Naruto, Sakura, new friends and the rest of the old gang as the action heats up with new techniques and stronger enemies. | naruto-shippuden.jpg |
| Dragon Ball Z | Five years have passed since Goku and his friends defeated Piccolo Jr. and restored peace to the planet. Gohan - Goku's son - and a variety of good, bad, and morally ambiguous characters are back, and perpetually not ready for action! Aliens, androids, and magicians all hatch evil plots to destroy the world and it's up to Goku to save the Earth once more - that is, once he and his comrades train plentifully in preparation. Enemies will become friends and power levels will rise to unimaginable levels, but even with the help of the legendary Dragon Balls and Shen Long will it be enough to save Earth from ultimate destruction? | dragon-ball-z.jpg |
| Pokemon Journeys | Pokémon Trainer Ash Ketchum has a new plan: see the world! But first, he and his partner Pikachu are headed to the opening of the Cerise Laboratory, a research facility dedicated to uncovering the mysteries of Pokémon in every region. Ash meets Goh, another boy with boundless curiosity about Pokémon, and both are overjoyed when Professor Cerise asks them to become official research fellows. With Ash as determined as ever to become a Pokémon Master, and Goh aiming to catch one of every Pokémon (including the Mythical Mew), our heroes are in for adventure and excitement as they explore the wide world of Pokémon! | pokemon-journeys.jpg |
| Pokemon XY | Ash Ketchum’s journey continues as he arrives in the Kalos region, a land bursting with beauty, full of new Pokémon to be discovered! Setting his sights on the Kalos League, Ash is ready to battle and catch as many new Pokémon as possible. But first he will have to face the formidable Gym Leaders of this region and discover some exciting developments in Pokémon Evolution. While he has new friends Serena, Clemont, and Bonnie at his side, there are also plenty of familiar faces and Pokémon along the way as Ash pursues his dream of becoming a Pokémon Master! | pokemon-xy.jpg |
| Pokemon XY&Z | What secret is hidden in the legendary never-before-seen pokémon Zygarde? What is the mysterious phenomenon that occurs only with Satoshi's (Ash's) Gekkouga (Greninja)? What is the aim of Alain and Team Flare, who stands in the way of Satoshi and his friends? When all the mysteries are revealed, the greatest danger the Kalos region has ever seen will appear! | pokemon-xy-and-z.jpg |
| Yu-Gi-Oh! Duel Monsters | Ever since Yugi Mutou completed the Millennium Puzzle his life has changed; he's made friends, learned how to play the card game Duel Monsters and has gained more confidence in himself. After his grandfather is beaten in a duel he is challenged by Seto Kaiba, ranked number two in the world, but Yugi beats him regardless. Now, as a result of his victory, Yugi has attracted the attention of the game's creator, Pegasus. Yugi is then challenged to a dual in an alternate reality where magic brings the monsters to life, but is beaten and his grandfather's soul is taken. In order to retrieve it Yugi must now participate in a tournament against the best duelists in the world, defeat the game's creator, and learn more about the secrets within his Millennium Puzzle! | yu-gi-oh-duel-monsters.jpg |
| Yu-Gi-Oh! Movie 4: The Dark Side of Dimensions | The story takes place six months after the end of the original series, when Yugi Muto and his friends are preparing to graduate from high school. While Yugi still feels like he's lost a part of himself, he's come to terms with the Pharaoh's passing, now looking forward to a future alongside his classmates. However, other people may not be so willing to let the past alone. | yu-gi-oh-movie-4-the-dark-side-of-dimensions.jpg |
| Bakugan Battle Brawlers | One day, a flood of magical cards rained down from the sky and were collected by unsuspecting children. Unaware of the great power of the cards, the children created an exciting new game called Bakugan Battle Brawlers - but once they began to play it, they discovered that the monsters were real! Now Daniel and Drago must try to save Vestroia, the home dimension of the monsters in their new game. To make matters worse, they also have to contend with the mysterious player known as Masquerade, who has been taking other players' Bakugan from them. | bakugan-battle-brawlers.jpg |
| Bakugan Battle Brawlers: New Vestroia | Drago returns to Earth with a new ally named Mira. The five original Bakugan that helped restore order to New Vestroia have been captured, Drago is now being targeted, and a group of humans known as the Vexos are taking over New Vestroia. With the help of Dan and the Battle Brawlers though, Drago believes he will have enough power to not only free New Vestroia but his friends as well. | bakugan-battle-brawlers-new-vestroia.jpg |
| Bakugan Battle Brawlers: Gundalian Invaders | Bakugan Interspace has gone active all across the Earth, and kids are having fun testing their skills against Dan, Shun, and Marucho. However the Brawlers soon learn some Bakugan were sent into an alternate dimension when Vestroia became six different groups. These Bakugan are now at war with each other as the Gunadlians and the Neathians fighting for control of their dimension and looking to recruit the strongest Earthlings to their cause. When the battle spreads to Bakugan Interspace, the Brawlers must decide which side they will join and how they can keep other kids from falling into the politics of war. | bakugan-battle-brawlers-gundalian-invaders.jpg |

* Post Tag Mappings Table Seeder

**Table 5. Post Tag Mapping Table Seeder**

| Tag Id | Post Id |
| --- | --- |
| 1 | 1 |
| 2 | 1 |
| 3 | 1 |
| 5 | 1 |
| 1 | 2 |
| 2 | 2 |
| 5 | 2 |
| 6 | 2 |
| 1 | 3 |
| 2 | 3 |
| 4 | 3 |
| 5 | 3 |
| 6 | 3 |
| 1 | 4 |
| 4 | 4 |
| 6 | 4 |
| 2 | 5 |
| 4 | 5 |
| 6 | 5 |
| 7 | 5 |
| 2 | 6 |
| 4 | 6 |
| 6 | 6 |
| 7 | 6 |
| 2 | 7 |
| 4 | 7 |
| 6 | 7 |
| 7 | 7 |
| 2 | 8 |
| 6 | 8 |
| 8 | 8 |
| 6 | 9 |
| 8 | 9 |
| 8 | 10 |
| 8 | 11 |
| 8 | 12 |

**References**

* https://www.anime-planet.com