Data Mgt & Database Design

INFO 6210 Autumn Full 2019

Final ERD

1. ERD Improvement
2. Firstly, we combined the **InstallQuantity** Entity with our **App** Entity. As the install quantity value is an attribute of the **App** Entity, which indicates who many times did this app downloaded by users.
3. Secondly, we created a new attribute named BenefitID in **AppBenefit** Entity, which have one-to-one relationship to **App** Entity. Each **App** Entity had one BenefitID, we used both BenefitID and AppID as PK to identify the benefit state.
4. Thirdly, we selected wrong connection in our initial ERD between the **AppDetail** and **App** Entity. We changed it right away as the connection between them must be one-to-one relation instead of one-to-many relation.
5. Fourthly, we wanted to highlight that the **UserReviews** Entity was not defined as users, which only indicated the review times for each App. So, we changed the **UserReviews** Entity into the **Reviews** Entity.
6. On the other hand, we created a new Entity named **Platform**, which indicated whether an App can be used via different platform such as mobile phone, pad or PC. The **Platform** Entity had one-to-one relationship with **App** Entity, as for each App, it would have its proper combination of the platform.
7. Finally, we also created a one-to-one relationship Entity named **Compatibility** with **App** Entity, which contained Devices and System Version parameters to show whether an App is suitable for different version type.
8. Changes to initial ERD

图片包含 屏幕截图

描述已自动生成

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