DATABASE DESIGN BASED ON DATA MODEL  
Updated with Sprint 2 models

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| USERPROFILE | | |
| ***COLUMN*** | ***TYPE*** | ***ATTRIBUTES*** |
| **user** | OneToOneField | User |
| phone\_number | IntegerField | max\_length(10)  null=True,  blank=True |
| address | CharField | max\_length=200,  null=True,  blank=True |
| postcode | IntegerField | null=True |
| role | CharField | max\_length=20,  blank=False,  default='STUDENT',  choices=CHOICES\* |

\* CHOICES = Student, Tourist, Businessman

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| STATE | | |
| ***COLUMN*** | ***TYPE*** | ***ATTRIBUTES*** |
| **name** | CharField | max\_length(200) |

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| CATEGORY | | |
| ***COLUMN*** | ***TYPE*** | ***ATTRIBUTES*** |
| **name** | CharField | max\_length(200) |

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| CITY | | |
| ***COLUMN*** | ***TYPE*** | ***ATTRIBUTES*** |
| **name** | CharField | max\_length(200) |
| state | ForeignKey | State |

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| INDUSTRY | | |
| ***COLUMN*** | ***TYPE*** | ***ATTRIBUTES*** |
| **name** | CharField | max\_length(200) |

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| DEPARTMENT | | |
| ***COLUMN*** | ***TYPE*** | ***ATTRIBUTES*** |
| **name** | CharField | max\_length(200) |

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| PLACE | | |
| ***COLUMN*** | ***TYPE*** | ***ATTRIBUTES*** |
| **name** | CharField | max\_length(200) |
| address | CharField | max\_length(200) |
| email | EmailField |  |
| postcode | IntegerField |  |
| phone\_number | IntegerField | null=True, blank=True |
| city\_id | ForeignKey | City |
| category\_id | ForeignKey | Category |
| industry | ForeignKey | Industry |
| department | ManyToManyField | Department, blank=True, null=True |
| date | DateTimeField | ‘Date Uploaded’ |

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| SAVEDPLACE | | |
| ***COLUMN*** | ***TYPE*** | ***ATTRIBUTES*** |
| **user** | ForeignKey | User |
| place | ForeignKey | Place |

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| REVIEWS | | |
| ***COLUMN*** | ***TYPE*** | ***ATTRIBUTES*** |
| user | ForeignKey | User |
| place\_id | ForeignKey | Place |
| **comments** | charfield | max\_length(1000) |
| rating | integerField | blank = False,  default = 3,  choices = CHOICES\*\* |

\*\* CHOICES = (1, 'One Star'), (2, 'Two Stars'), (3, 'Three Stars'), (4, 'Four Stars'), (5, 'Five Stars')

Constraints:

* All name keys are mandatory fields and must be unique
* Not all primary keys are unique (such as comments)

Assumptions:

* Not all fields need to be mandatory in Place model as department and industry type apply to college and industry categories respectively
* Saved place relies on existing users and places
* Place model might be refactored in the future to cater for more states in Australia, however as its purpose is currently only for Queensland based items, a “state” foreign key is not included.