

## MIT AITI

### Problem Set 8 – Data Models for your projects

Due: Jul 19, 2012 4pm

This exercise should be done as a group. But everybody in the group **must** submit the prototype application with the data models and a write-up on the design choices you made in your individual drop box folder. The files you submit must be zipped as **lab8.zip**. You should also update the documentation on the github account by the deadline. The instructors will give feedback on the data models on Thursday Jul 19 before you move on to the next stage of development. So, be prepared to defend your design choices ☺.

1. Decide as a group what type of application you are building. You can decide to build either a Django mobile website or an Android app or both or you may decide to use some other application platform (for e.g. SMS or IVR). Please document the design choices you made both in the submission document and on Github (maximum 500 words).
2. Create the data models and or the database schema for your application as an ER (Entity Relationship) diagram. We did not cover the ER diagram in class, but it is pretty self-explanatory. If you need more information on how to draw an ER diagram please refer to this tutorial: <http://creatly.com/blog/diagrams/er-diagrams-tutorial>
3. Translate your ER-model into either a data model Django or SQLite database schema in Android. If you are unable to translate the data model into either platforms, rethink your design choices. If you are truly unable to translate the data model, please explain why. You may also propose alternative platforms.