Test Coverage Plan

* **Activities**
  + **Test the conflictsWith method, which returns true if the activity conflicts with the inputted activity.**
  + **Test the occursOnDay method, which returns true if the activity occurs on the inputted day.**
* **Math Utilities**
  + **Test the LCM method.**
  + **Test the GCD method.**
  + **Creating an array of prime values for Test the LCM and GCD methods.**
  + **Test whether the prime array has correct values.**
* **String Utilities**
  + **Test the usernameToDataFile method.**
* **Date Utilities**
  + **Test the getNextWeekDay method.**
  + **Test the getLastSunday method.**
  + **Test the weekDaySet method.**
* **Schedule**
  + **Test the makeToDoList method.**
  + **Test the addEvent method.**
  + **Test the removeEvent method.**
  + **Test the setWorkTimes method.**
* **Password Hashing and Login Functionality**
  + **Test the verifyUsernameAndPassword method.**
  + **Test the storeUsernameAndPassword method.**
* **Loading and Saving XML Files**
  + **Test the saveLocally method.**
  + **Test the loadLocally method.**
* **ViewScheduleTableModel**
  + **Test the add method.**
  + **Test the remove method.**
  + **Test the change method.**
  + **Test the getValueAt method.**
  + **Test the getRowCount method.**
* **ViewScheduleScreen**
  + **Test the showTodoList method.**
  + **Test the share method.**
  + **Test the calculateFreeTime method.**
  + **Test the setWorkTimes method.**
  + **Test the addActivity method.**
  + **Test the addDeadline method.**
  + **Test the save method.**
* **CreateActivityForm**
  + **Test the createValue method.**
* **CreateDeadlineForm**
  + **Test the createValue method.**