**Name:** View Schedule by Program

**Description:** User wants to view the schedule on a per-program so that they see the exam schedule for only the selected program

**Actors:** Users

**Trigger:** User login

**Precondition:** System must be online, at least one program, course, room, professor must exist in database

**Postcondition:** Data is accessible to Presentation and Web

**Result:** A data structure of schedule calendar on per-program basis

**Outline:** 1. User requests view schedule by program

2. For the requested program system retrieves the following data: time (8am–7pm) as rows and days as columns (Mon, Tue, Wed, Thu, Fri, Sat). Each intersection of time and day has scheduled exam (course name, room number, location, start and end time, duration, professor)

3. Data structure is passed to the user

Alt flow A1 [insufficient permission to the URL at step 1 in the main flow]

A1.1 Return permission denied

Alt flow A2 [there are no at least one program and course and room and professor in database

at step 1 in the main flow]

A2.1 Return NULL error (no program or course or room or professor in database)