



# BU-tiful Schedules

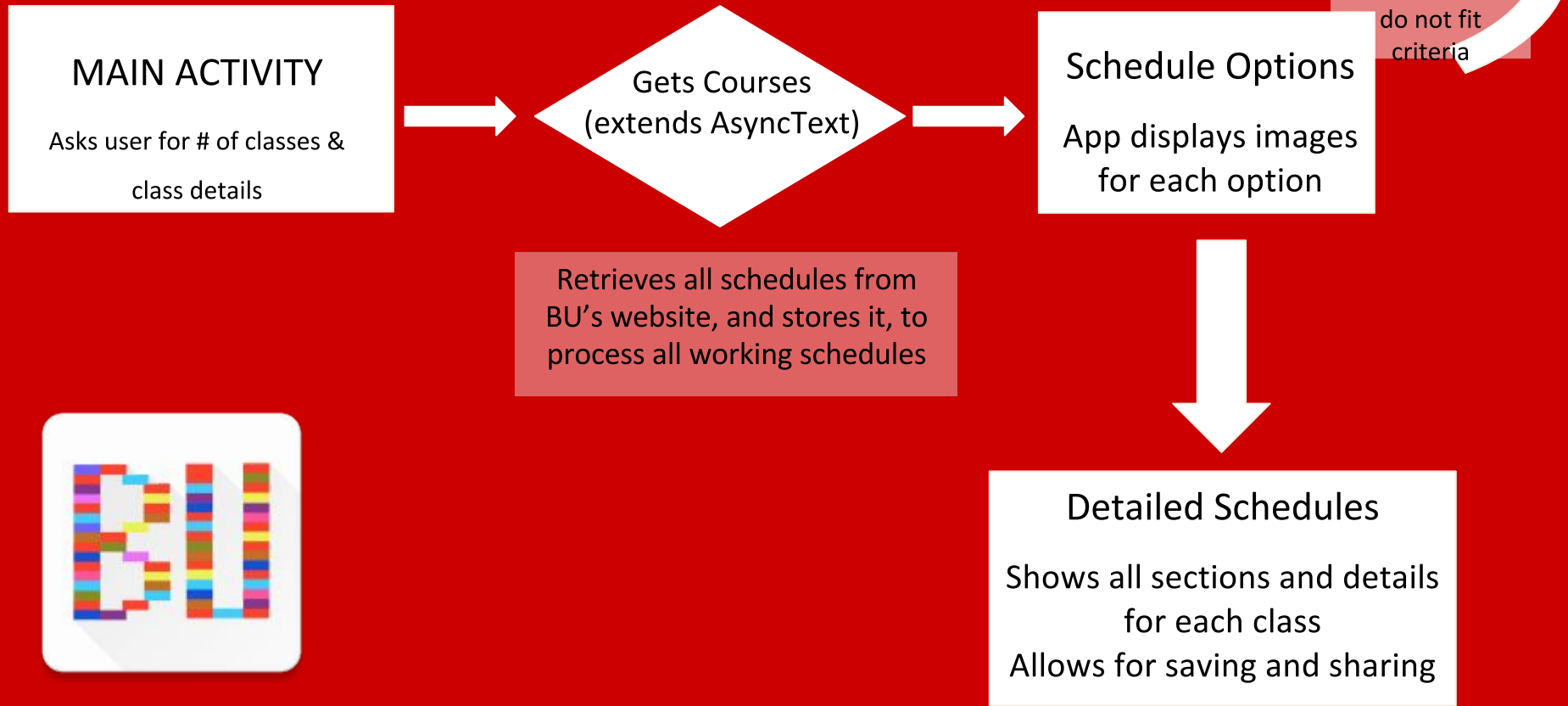
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Kyle Burkey, Greg Ghahramani, Harshit Harpaldas, Vinay Khemlani

# OVERVIEW

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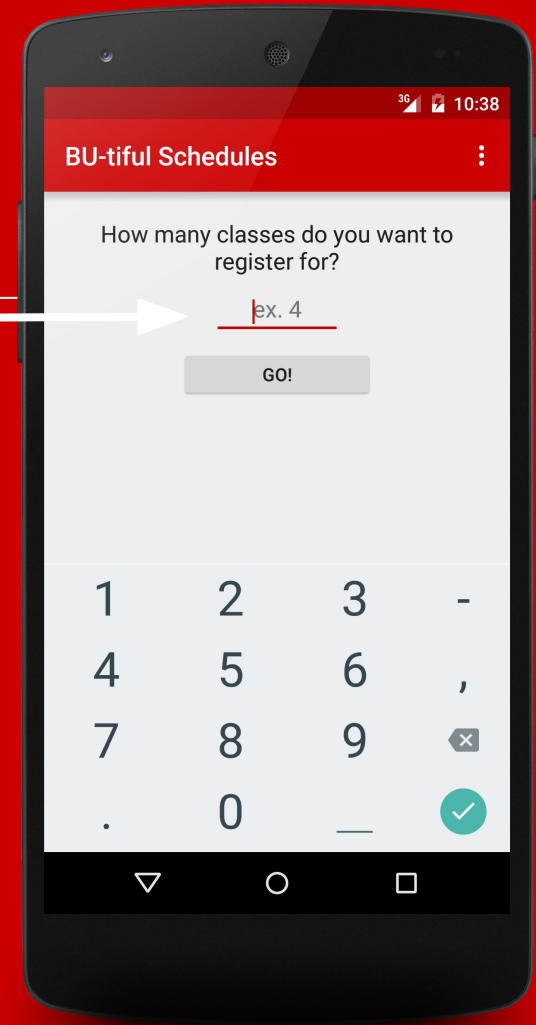
The BU-tiful Schedules application is the future of the Boston University class registration process. Created by undergraduate students of Boston University, this application allows students to choose their ideal schedule. Students first enter the number of classes they wish to take, then the colleges, departments, and class number. Upon clicking “GO!” all possible schedules are generated in the form of a graph. Students can then apply filters to avoid 8AMs, class after 4PM, Monday classes, and/or Friday classes. After choosing their preferred schedule, the list of classes can be shared on social media platforms, such as Facebook, Twitter, messages, and more.



# HOME PAGE

Number of Classes

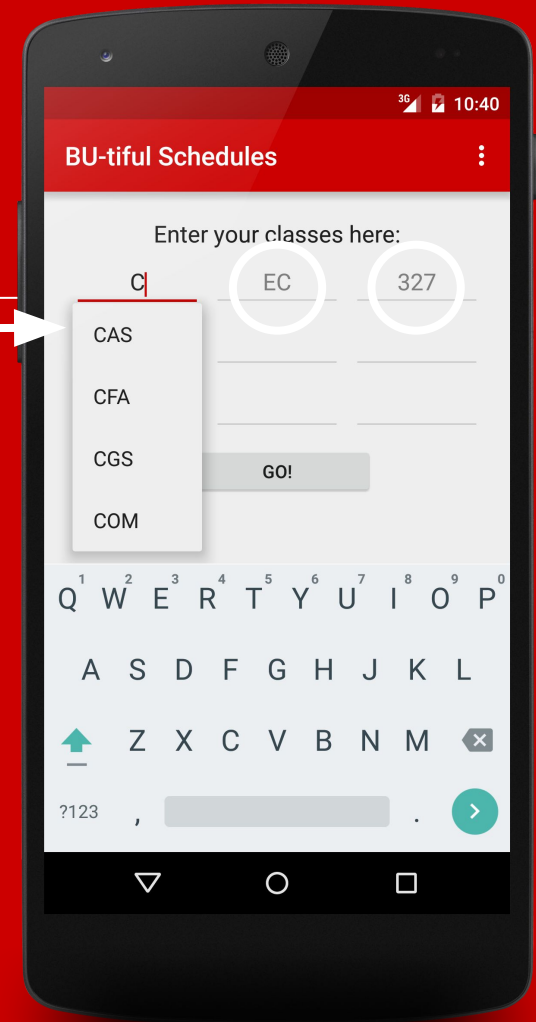
- User inputs number of classes
- Keyboard automatically appears
- Only allows input of number greater than zero and less than ten
- Example given to help user



# CLASS INPUTS

Auto Completion

- User inputs classes they plan on taking
- Text Field provides suggestions for names of all colleges
  - Input validation forces user to enter valid college name from
  - Dialog box appears on error



## CourseList (Static Class)

List<Course>

Get Courses

### Course

String college

String department

HashMap <String,  
List<TimeBlock>>

String SectionType

List<TimeBlock>

#### TimeBlock

List<String> sectionInfo

List<double[]> times

Generates Cartesian Products  
of all schedules

Filters overlap

List<WorkingSchedule>

WorkingSchedules

List<TimeBlocks>

Bitmap ScheduleImage

WorkingSchedulesActivity

# SCHEDULE OPTIONS

- Displays all possible schedules in graph format
- Classes are each displayed with different color
- Identical to format display on Boston University Student Link

## Option One

## Option Three

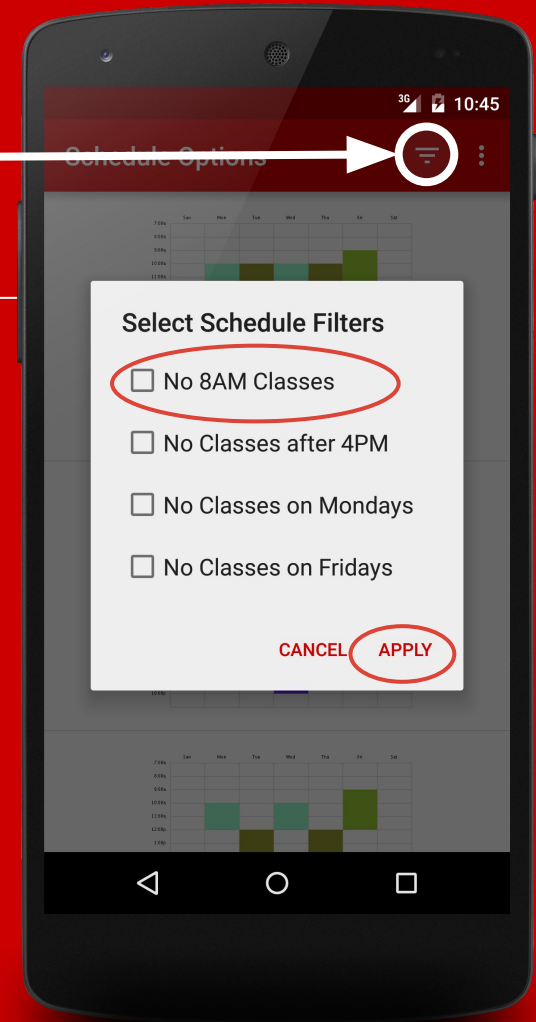


# FILTERS

Allows user to filter out:

- No 8 AM Classes
- No Classes after 4 PM
- No Classes on Mondays
- No Classes on Fridays

Click for options





# SCHEDULE DETAILS

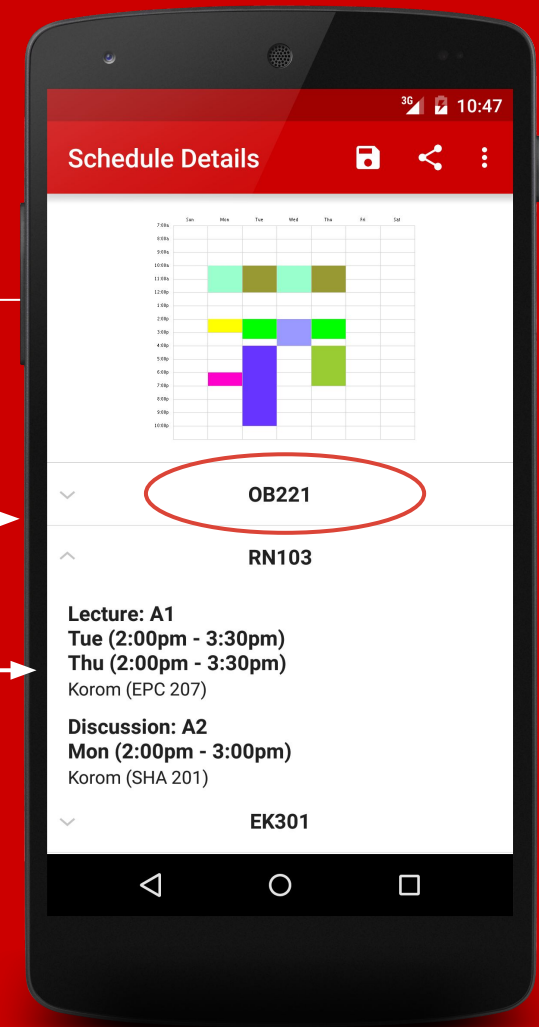
Displays each class with proper:

- Section Number
- Time and Date
- Professor
- Room

Each class is expandable and scrollable.

Class Title

Class Info



# SHARING OPTIONS

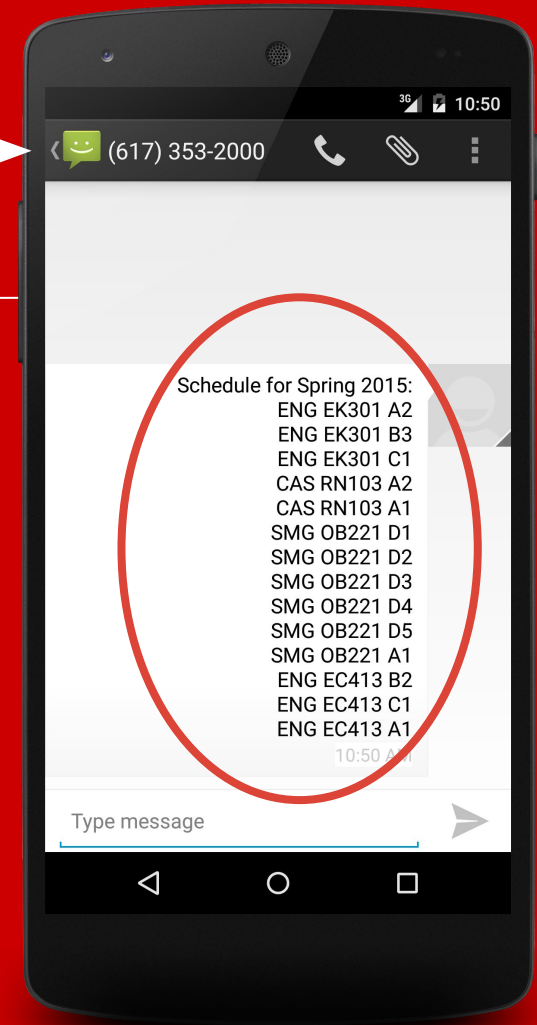
Share to:

- Facebook
- Twitter
- Email
- Groupme
- Whatsapp
- Google+

Test Message



Class Codes



COMING SOON...

