Capstone Design: Rutgers Android Application
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**Objective**
Create a user friendly android application that will provide comprehensive information to a student attending Rutgers University, New Brunswick Campus.

**Introduction**
- Need for a single application which comprehensively provides all the information a Rutgers student needs. While several applications exist, none provide a single point access to all the information needs
- Rutgers Android Application provides students with all necessary information in one convenient and easy to use application.
- Presents students with bus timings, dining options, important websites and phone numbers, and a social media hub to interact with other Rutgers students.

**User Interface**
- Simple to use. Has six easy-to-use options that provide information on:
  - Next Bus – Provides users with bus timings between various campuses.
  - Dining – Provides users with on and off campus dining options.
  - Locale – Information about the Campus surroundings.
  - Links / Contacts – Provides users with various important campus websites and phone numbers.
  - Social Media Hub – Initiate a chat session where users can interact with other Rutgers students, exchange views, ideas, and engage in topics of interest.

**Backend Processes**
- The Next Bus and Dinning Hall functions of the application connect with the respective application servers to retrieve necessary information. This ensures that the student gets the latest information.

- User selects the option using user interface.
- Application queries server to gather all necessary information to display to user.
- Server returns necessary information.

**How Next Bus times are calculated:**
- Application queries server with given XML with Next Bus XML with given conditions
- Server returns data and User interface displays bus times

**In-Built Application Functions**
- Users can view important campus web pages
- Users can select a phone number for autodialing

**Social Hub**
- Initiate a chat session where students can interact with other Rutgers students.
- Students can chat with each other, post pictures, talk on forums and much more!

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