Project Iteration Overview:
- For this iteration we implemented the following features from several medium-priority big user stories:
  - Listview of upcoming buses will now refresh itself automatically
  - The walking distance from the user's current location to each bus stop is now displayed
  - Added weather information: an icon representing the current weather near the user, and a reading of the current temperature
  - When fetching bus information, the app only presents buses that fall within a circle surrounding the user. The user can now manually set the size of this circle by setting its radius.
  - The user can now tell the app to remind them when a particular bus is coming

GitHub WorkFlow:
- After some discussion, we decided to continue using the GitHub workflow, since this worked well for us during the last iteration.

Group Meeting Logs:

June 9:
- Meeting at U of M EITC E2 Windows Lab at 1PM
- Duration: 2 hour
- Discussed which bugs need fixing
- Discussed possibly changing workflow style but decided to remain with GitHub
- Distributed responsibility for big user stories between members

June 15:
- Meeting at U of M EITC E2 Windows Lab at 2:30 PM
- Duration: 1 hours
- Discussed current progress implementing user stories
  - Auto refresh for bus list now works
  - settings popup dialog box added
  - weather icon added on top of map

June 24:
- Meeting at U of M EITC E2 Windows Lab at 2 PM
- Duration: 4 hours
- Discussed current progress
  - can now specify the size of the radius around the user when fetching bus info
    - i.e.: if the user wants to know about buses up to 200 meters away, they can specify this in a preferences menu
- Did code reviews and merged each other's code into main branch
- Read feedback for iteration 1 and decided on questions to ask during meeting with Professor on Monday

June 26:
- Met with Professor Bristow to discuss his feedback for the previous iteration
- Duration: 1 hour
- Decided to attempt refactoring code based on this discussion
    o Since the iteration is due in 3 days, it may not be possible to do the refactoring in time. In that case, it will be left for the 3rd iteration.

June 27:
- Met in EITC E2 classroom
- Finished bus reminder feature
- Wrote new unit tests
- Finalized most of the project
- Duration: 5 + ½ hours

Paul Artimowich Individual Log:

June 9:
- Documented team meeting
- Time spent: 2 hours

June 15:
- Documented team meeting
- Time spent: 2 hours

June 21:
- Worked on making Listview row size consistent between rows
- Time spent: 2 hours

June 24:
- Documented team meeting
- Time spent: 4 hours

June 25:
- Worked on project documentation (README and Log)
- Time spent: 3 hours

June 26:
- Code reviewing
- Time spent: 1 hour

Abdul-Rasheed Audu Individual Log:

June 20:

- Moved logic relating to map fragment from MainActivity to separate class
- Time spent: 3 hours

June 21:

- Code refactoring for unused methods and variables
- Time spent: 1 hour

June 24:

- Added a new fragment to show detailed view of a bus
- Resolved method dependencies between fragments
- Changes the implementation of bus markers to use a HashMap instead of an arrayList
- Time spent: 6 hours

June 26:

- Included a set reminder button on bus time list view
- Implemented reminder mechanism to set reminders at most 5 minutes before departure
- Implemened a notification display as well as vibration when a notification arrives
- Time spent: 8 hours

June 27:

- Code review changes
- Removed lambda statements due to compatibility issues
- Fixed bugs related to detailed bus list view
- Moved reminder time calculation to business logic and wrote tests for them
- Time spent: 5 hours

Dima Mukhin Individual Log:

June 8:

- Started researching about free weather API providers
- Found out about Open Weather Map
- Learned about the API
- Generated an API key
- Time spent: 4 hours

June 9:

- Sketched weather API structure on paper
- Decided what calls to provide
- Planned overall look and call hierarchy
- Time spent: 2 hours

June 10:

- Added weather and temperature datamodel to store API information
- Implemented Weather API interface
- Time spent: 7 hours

June 11:

- Added weather presentation
- Added weather business logic (weather and temperature provider)
- Time spent: 6 hours

June 19:

- Refactoring and error handling of weather presentation, logic, API
- Finishing up weather part of this iteration
- Time spent: 2 hours

June 20:

- Code review and merge of location fixes
- Time spent: 30 minutes

June 22:

- Realized I have made a mistake in the way I designed the connection between weather API and presentation after talking with Franklin (if you read this, thank you)
- Fixed weather presentation, logic, API
- Added weather condition icons
- Time spent: 6 hours

June 23:

- More refactoring of weather related components based on feedback from Franklin
- Added night time support for weather presentation
- Time spent 1.5 hours

June 24:

- Code review and merge of duplicate bus bug fix
- Small fixes
- Time spent: 1 hour

June 25:

- More small fixes
- Log refactoring
- Developer tasks refactoring
- Time spent: 1 hour

June 27:

- Code reviews
- Readme
- Logs
- Formatting of submission
- Time spent: 3 hours

June 28:

- More formatting of submission
- Testing of iteration
- Submission
- Time spent: 3 hours

Nibras Ohin Individual Log:

June 19:

- Researched about how to create options menu
- Understood how onclick listeners worked for options menu
- Time spent: 2 hours

June 22:

- Researched about how to create an alert dialog box
- Understood how to set positive and negative button
- Created and showed an alert dialog box with general text
- Time spent: 2 hours

June 23:

- Added option to pre fill the input dialog box with the current radius
- Modified keyboard input to restrict users from entering anything other than integers
- Time spent: 1 hour

June 24:

- Added code to verify the input radius from the user
- If the input radius received from the user was valid then added code to set the radius to the user's input radius
- Time spent: 4 hours

June 26:

- Added test cases for testing verifying and setting method in business logic
- Time spent: 4 hours

Syed Habib Individual Log:

June 23

- Code-reviews
- Duplicate bus bug fix
- Setup HSQL database
- Time spent: 8 hours

June 24

- Setup HSQL database
- Code-reviews
- Time spent: 2 hours

June 25

- Implemented HSQL database
- Wrote tests cases for new code in business logic (duplicate bus fix)
- Fixed old tests, as they started failing on new code in business logic
- Time spent: 9 hours

June 26

- Moved toast out of business logic, to presentation
- Fixed some minor bugs (toast on device's home screen)
- Time spent: 3 hours