Team Contract

Goals:

* To turn an abc file into actual sounds.
* Get an A on the first project
* Get more experience on team projects and coding
* To compose music after the project
* Get better at working with other people in team projects
* Obstacles: Not thinking through the project
  + Design
  + Good test coverage
* If someone has a time constraint (settle for B): Ask a TA for advice
* Equal work? YES

Meeting Norms

* Meet during normal lecture times
* 1- 2 pm on Thursdays
* Meet for design issues (during in class times)
* Communicate through GChat
* Outside of class meetings? Not much, if so for not so long (only for major design problems)
* We will record our meetings through text documents

Work Norms

* The length of the work will depend on our design ( come back to this later)
* Work distribution: people working on separate parts (TBD)
  + Write test cases for other members’ code
  + Have good AOI and method names
* Record responsibility: In contract (roles TBD)
* If someone misses a commitment/not doing their share of the work: Contact person, if problem persists contact TA
* How will the work be reviewed: Each member should review the other two parts of the project
* Differing opinions on quality of work: Majority rules
* Dealing with different work habits: Agree on deadlines and make sure to follow them

Decision Making:

* Strive for consensus
* If one person fixates on an idea: TBD

Design (Initial):

* Lexer turns text into tokens which feeds into parser that outputs an AST, which the sequence player will traverse to add notes.
* Datatype:
  + Base types
    - Notes 🡪 duration, pitch, accidentals
    - Rest 🡪 duration
  + Relations
    - Chord 🡪 notes
    - Tuplets 🡪 chords
    - Measures 🡪 TupletsOrRest(may change name later), rests, voice (?)
      * TupletsOrRest 🡪 tuplets, rests
    - Repeat 🡪 measures, (alternate ending) ?
    - Piece 🡪 Repeats, meta-data (from heading)
* Need to keep track of durations
* Need to figure out how to do the voices