

## Team B27 OKR - March 10

- Objective: On-time project completion
  - Key Results
    - Software Analysis/Requirements Specification (SRS)
      - Measurement: Completion by 02/17/2021
    - Software Project Management Plan (SPMP)
      - Measurement: Completion by 03/17/2021
    - Software Design Document (SDD)
      - Measurement: Completion by 03/08/2021
    - Implementation/Demonstration (code and full documentation)
      - Measurement: Completion by 05/05/2021
    - Presentation
      - Measurement: Completion by 05/10/2021
- Objective - Create and maintain database for project
  - Key Results
    - Database is secure.
      - Measurement: Users or non-personnel cannot access data that isn't their own
    - Database structure is easy to understand and has documentation
      - Measurement: Documentation that explains table structure
      - Measurement: At least 60% of personnel viewing the database for the first time can grasp the general structure without help
    - Database access time is fast
      - Measurement: Under 1 second
- Objective - Create a dynamic web application UI
  - Key Results
    - Easy to use
      - Measurement: 75% of users are able to traverse the website with no questions
    - Defect free
      - Measurement: 85% of users are able to traverse the website with no defect occurrences
    - Consistent, well-designed layout
      - Measurement: 90% of users have no complaints regarding the website's layout and color scheme
      - Measurement: 80% of the website pages have a consistent layout
- Objective - Establish connection and be able to use APIs
  - Key Results
    - Establish connection with application and API(s)
      - Measurement: Application can be compiled and can use a simple method provided by the API
    - Create methods to interact application with API(s)
      - Measurement: All the required methods for the application work
    - API uptime should be maximized

- Measurement: API will always be up and not lock, causing the application to fail.
- Objective - Create and maintain backend for project
  - Key Results
    - Code is readable
      - Measurement: A third party will periodically review and rate the code based on its readability (1 -10); the average rating should be no less than 8. If the rating is less than 8, the code will be reviewed and revised until the average rating is 8 or more.
    - Code is free from bugs
      - Measurement: Periodic code reviews will be conducted per SRS 11 (Qualification Provisions) by members of the team/QA to ensure that the code is free from bugs. If more than 3 bugs are found per review session, bugs will be scrutinized more greatly; the frequency of review sessions will be increased to twice a week from once a week until the number of bugs found per review session falls below 3.
    - Code is well documented
      - Measurement: The directives and policies outlined by SRS 11 (Qualification Provisions), 12 (Requirements Traceability) and 13 (Evolution of the SRS) must be followed and periodically reviewed. If more than 5 errors are found per review session, documentation will be scrutinized more greatly; the frequency of review sessions will be increased to twice a week from once a week until the number of errors found per review session falls below 5.