**IT Requirements PRAY**

*This will be updated and fixed as I learn how to IT -* Griffin

1. Server Platform (for each “server” required)
   1. Physical system requirements
      1. Storage capacity - 3 servers: Web, Database, Application, 50GB to start, 512TB in the end
      2. Speed requirements / response time parameters -
      3. Scalability plans - Utilize AWS Archives for backups later on
   2. Virtual system requirements
      1. OS to be supported - Windows, iOS, Android
      2. Number of images expected - 60,000,000+
   3. Connectivity
      1. Network considerations -
      2. Interconnection to what other systems -
2. Reliability
   1. Service Level Agreements
      1. uptime requirements - As much as possible, not sure
      2. Response time requirements -
3. Recoverability
   1. Where are things backed up? How often? - Every hour
   2. Access to backups? - Server Admins
   3. What data is transient and doesn’t need to be stored longer term? - Everything we are storing is long term
4. Security and Privacy
   1. Database
      1. Access controls by userid / roles - Admins, and users
      2. Update vs. Access - Users update when praying and editing prayers
   2. Account information
      1. User data
         1. Personal / registration - Stored in DB
      2. FERPA/Privacy considerations - Encrypted user data
   3. Admin access controls
      1. Adding new users, deleting old -
5. Maintenance
   1. Planned down time requirements
      1. Database maintenance - Monthly checkups
      2. Times of year when IT does maintenance - When needed, avoid being on religious holidays
      3. Times of year when the systems are not available? - Never? Should be up year round