- DigiSchools
  - Superadmin
    - Creates schools
      - System generates unique identification & slug
      - Specify school name
      - Assign first admin
        - *First admin details are those a new school's admin logs in with for the first time, after which they're expected to delete them*
      - Specify the approx. population
    - Views all schools (clickable to reveal school stats)
      - Teacher population
      - Student population
      - Subjects population
      - Teacher/students ratio
      - All classes
      - School's approx. popu
      - *abbl.*
    - Modifies school status - active or disabled
    - Adds more super admin accounts
    - Views feedbacks
  - Admin
    - Logs in
      - Using email and password
      - Password retrieval via mail
    - Updates admins list
      - View admins
      - Add admins
      - Delete admins
    - Updates profile
      - Edit name?
      - Change password
    - Edits school info
      - Update school name
      - Upload school logo
      - School address
      - Motto/slogan
      - Specifies if positions should be displayed
    - Manages sessions & sub-sessions
      - *Sub-sessions are the fancy word for terms*
      - Supplies sub-session title
      - Sets active session & sub-session
      - Advances sub-sessions
      - Supplies session name (2017/2018)
    - Adds assessment plan - scoresheet
      - Specifies assessment sections e.g: CA1, CA2, Exam
      - Specifies percentage compositions & maximum obtainable marks e.g: CA1 - 20% - 40mks
      - Designs grading system
      - Specifies promotion cutoff
    - Creates Teachers
      - Add
        - Supply name
        - Phone number
        - Email address
      - Edit info
        - Name
        - Phone number
      - View all teachers
        - Class teacher status
        - Assignment info - classe & subjects
        - Teacher's profile
    - Creates classes
      - *Classes are identified solely by names - unique... Classes' arms are individual classes too.. e.g: JS1A, JS1B...*
    - Adds subjects
      - Specify name
      - Subjects are uniquely identified (slug-style)
      - Specify (optional) subject code
    - Assigns teachers
      - Teacher to subject to class
        - *e.g 1: Bola teaches Eng in JS1A*
        - *e.g 2: Bola teaches Eng in JS1C*
        - *e.g 3: Bola teaches Maths in JS3*
      - Teacher as class-teacher
      - De-assign teachers
    - Compares performance across classes
    - Views class alteration logs
      - *Class alteration logs are what's generated when class teachers have specified who gets promoted and who doesn't*
      - Approve alteration log
    - Syncs system
      - *Synchronizes the offline system with the concerned server-resident systems*
      - *Push*
      - *Pull*
    - Submits feedback
  - Teacher
    - Guardian
      - Logs in
        - Ward's surname
        - Ward's UID
      - Sees child's result
        - See performance in class in all subjects represented on charts
        - See performance by subject
        - See comments
          - From class teacher
          - From subject teachers
      - Prints result
    - Class teacher
      - Adds students
        - Supplies name
          - Surname
          - First name
          - Other name
        - Supplies gender
        - System generates unique identification
      - Updates students info
      - Views students
        - Students are displayed on scoresheet
          - All scores of All students in All subjects
          - Sortable data
          - Selectable students, leading to their respective performance pages
        - Individual student page
          - Adds comments on students
            - Fluid comments
            - Supply comment description
            - No limit on comments
            - Supply comment title
          - See student's performance as shown to Guardian
      - Alters students' class
        - *Alteration only possible from scoresheet*
        - Flag for promotion
        - Flag for demotion
    - Subject teacher
      - View list of students in assigned (selected) class
      - Selects students who take her course
      - Fills scoresheet for all assigned students in assigned classes for assigned subjects
      - Updates scoresheet
    - Updates profile
      - Change name
      - Update Phone number
      - Change password
    - Logs in
      - Email
      - Chosen password
  - System
    - Computations
      - Positions per subject, per class
      - Overall positions per class
      - Quartile grouping
    - Accepts feedback

- Sprints: super admin
  - Sprint 1
    - Git repo *[1]*
    - Database design *[4]*
    - Unified Project structure *[1]*
    - API Infrastructure Setup *[2]*
  - Sprint 2
    - Superadmin Login portal *[2]*
      - UI/UX
      - Middle-layer (backend)
    - Superadmin Dashboard Layout *[1]*
    - School creation *[2]*
      - UI/UX
      - Middle-layer (backend)
  - Sprint 3
    - View all schools list *[1]*
    - Individual school page *[2]*
      - School's basic details
      - UI for several stats
      - Toggle school active/disabled
  - Sprint 4
    - Superadmin mgt. section *[1]*
      - View all superadmins
      - Delete superadmin
    - Add superadmin *[1]*
  - Sprint 5
    - Feedbacks layout *[2]*
      - Fresh
      - Closed
      - Treated
    - Individual feedback page *[1]*
      - Reply feedback
      - Set feedback status
        - Fresh
        - Closed
        - Treated
  - Sprint 6
    - School stats backend *[2]*

- Sprints: planning
  - Sprint 1
    - Fetch necessary JS libraries
  - Sprint 2
    - Desktop app *[1]*
      - Electron overview
      - Electron installation
  - Sprint 3
    - Infographics *[1]*
      - JS Charting modules
      - Comparison & selection
  - Sprint 4
    - Find JS MVW framework *[1]*

- Toolset
  - Electron
  - KO
  - LAMP
  - ChartJS
  - JS threading: web workers
  - Lodash

- Task: desktop-app: admin
  - Epic: Groundwork
    - Sprint 1
      - Framework setup [2]
      - Git repo [1]
      - Socket Wrapper provisioning [2]
      - Determine local storage to use [1]
    - Sprint 2
      - Dev stations setup [2]
      - Framework tests & cleanup [2]
  - Epic: System intro
    - Sprint 1
      - Splashscreen component [4]
      - System role component [2]
        - Choose role page
        - Web API to auth server setup
      - Create First Admin [4]
        - Local storage
        - Web API for data storage
      - Login screen [2]
        - Enable admin logins
        - Local storage
  - Epic: Admins
    - Sprint 1 : Profile
      - Update profile [1]
      - Change password [1]
      - Retrieve First Admin password [1]
    - Sprint 2 : Other admins
      - View admins list [1]
      - Add admins [1]
      - Delete admins [1]
  - Epic: School config
    - Sprint 1 : School info [1]
      - Update school name
      - Upload school logo
      - School address
      - Motto/slogan
      - Specify if positions should be displayed
    - Sprint 2 : Sessions [2]
      - Supply session name (2017/2018)
      - Supply sub-session title (term?)
      - Set active session & sub-session
    - Sprint 3 : Scoresheet [4]
      - Create assessment sections e.g: CA1, CA2, Exam
      - Specify percentage compositions & maximum obtainable marks e.g: CA1 - 20% - 40mks
      - Design grading system (A-F)
      - Specify promotion cutoff (percentage)
  - Epic: Genesis
    - Sprint 1 : Teachers [4]
      - Add
        - Supply name
        - Phone number
        - Email address
      - Edit info
        - Name
        - Phone number
      - View all teachers
        - Set class teacher status
        - Assignment info - classes & subjects
        - Teacher's profile
        - Delete
    - Sprint 2 : Subjects [2]
      - Add
        - Specify name
        - Subjects are uniquely identified (slug-style)
        - Specify (optional) subject code
      - Edit (name & code)
      - Delete
    - Sprint 3 : Classes [4]
      - Create classes
      - Assign Teacher - Subject - Class
      - De-assign teacher
  - Epic: Feedback
    - Sprint 1 [4]
      - Open Feedback
      - Send Feedback
      - View all feedbacks

- Task: desktop-app: teachers
  - Sprint 1: Profile [2]
    - Change name
    - Change password
    - Update Phone number
  - Epic: Subject teacher
    - Sprint 1
      - View list of students in assigned (selected) class [2]
      - Specify students who what courses [2]
    - Sprint 2
      - Fill scoresheet for all assigned students in assigned classes for assigned subjects [4]
      - Update scoresheet [2]
  - Epic: Class teacher
    - Sprint 1: Class Students [2]
      - Select Classes (where she class-teaches)
      - Supply name
        - Surname
        - First name
        - Other name
      - Supply gender
      - System generates unique identification
      - Update Student Info
    - Sprint 2: Scoresheet [4]
      - View All scores of All students in All subjects
      - Sortable data
      - Selectable students, leading to their respective performance pages
    - Sprint 3: Individual student page
      - Add comments on students [4]
        - Fluid comments
        - Supply comment description
        - No limit on comments
        - Supply comment title
      - See student's performance as shown to Guardian [4]
    - Sprint 4: Alters students' class [2]
      - *Alteration only possible from scoresheet*
      - Flag for promotion
      - Flag for demotion