

# Ruby on Rails application Project Number Two

## Application Summary:-

As required by the design brief below is:-

**One page summary of your application including problem definition and solution.**

### Choices of projects:

**Your application must impress one person/group from this list:**

1. Barack Obama (politics)
2. Rupert Murdoch (journalism)
3. Bill & Melinda Gates (social causes/global development)

After discussions with the customer, it was decided to select option 3 and produce a Rails Application to enable the Gates Foundation to track Polio Vaccinations that were being provided by Vendors.

There are four main entities in the application design.

1. The Gates Foundation Grant Coordinators(GC), who are interested in the status of multiple vaccination projects, details recorded are the GC name, email id, Id number
2. There is then an entity for the Projects that keeps a record of where the project is being run, how many vaccinations are to be administered during the project, the start date, the batch number on the Vaccine being administered.
3. The third entity is for the Vaccinator details, this includes the vaccinator name, Id number, the vendor the vaccinator works for and the vaccinators email id. The Vaccinator entity has a many to one relationship with the Projects entity and many to one relationship with the Patients entity.
4. The Patient entity records the Patient name and address, Date of Birth, Gender, the location, state and country (for reporting).

Views are required to enable add, view, edit and delete all of the entities.

Photos need to be recorded for each patient, each vaccinator and each GC.

Reports are required to enable vaccinators to know who and how many patients

were vaccinated by day.

Reports are also needed by the Grant Coordinators of the number of Vaccinations done for each project by day.

Please find below a link to the user stories for the project, if you require more details:-

<https://trello.com/b/m8lrbobA/impress-bill-melinda-gates-vax-track-system-vts>

## Entity Relationship Model

