* Brief narrative of the overall project goals and objectives

This web-based application is specific design for 1) Map birth certificate data elements to FHIR specification for subsets of birth data, e.g. prenatal info, risk factors, labor and delivery, newborn info; 2) create a FHIR interface to report part or all of birth certificate. The main goal of our app is to achieve extracts data elements from an EHR, performs limited logic to apply birth certificate reporting rules or requirements on a subset of birth certificate fields, such as prenatal care, labor and delivery, newborn.

* Team member contributions

We are very lucky, Xiaoming Su, as one of our team most important members, contributes a certain percent of project design, code writing and debug. Other team members (Lu Wang, Lei Fang, Dong Li, Xue Liang, Bo Lin) are also actively involved in the above work, additionally, the Lei Fan is also responsible for the project management as a project manager (PM).

* Project successes and unique elements, project future plans or opportunities.

The most unique elements of this apps follow the principle of efficient and user-friendly design the interface to report birth registration information, as a matter of fact, the app extracts data elements from an EHR really fast and accurately plus almost no special training is required. If possible, we would like to further improve this application and promote it in nationwide as a mainstream Bioinformatics tool and solid birth registration tool.