**Homework 5**

**Instagram-like application**

Ruby is a dynamic programming language that is similar to Python in general-purpose. It helps to write code fast and develop the applications fast, but it’s not so good for stats requests. This can indeed make it much easier to ship code, but means finding deep bugs might require a lot more digging. Ruby has an amazing framework Ruby on Rails that helps to develop applications fast. Ruby is used to create desktop applications, for web apps Ruby on Rails is better. That’s why we should consider other options.

When we are talking about Instagram-like application, we must consider those **aspects**:

* Intuitive user-navigation
* Clear designs (UX/UI)
* Eye-catching graphics and visual element (e.g logo)
* Personalized feed
* Well-functioning application

And the most logical thing for us is to look at Instagram and to take **the best practices** from it. **Technologies applied in Instagram are:**

* **React Native -iOS & Android apps.** It’s easy. Users need to have an opportunity to use it in different operational systems. There is an even better way to develop a social photo-sharing app - natively, using Swift for iOS and Kotlin for Android, to provide the best app performance and user experience.

For Python error reporting, we can use Sentry, an awesome open-source Django app written by the folks at Disqus.

* **Python (Django framework)**. Django is the core of Instagram. Django is integrated tightly which is the reason why Instagram starts quickly. Python is user-friendly for engineers — it’s easy to get up to speed and get out the product, allowing the team to concentrate on user facing features.
* **HTML5JavaScrip**t - for the website user interface. JavaScript makes it possible to build rich UI components such as image sliders, pop-ups, site navigation mega menus, form validations, tabs, accordions, and much more.
* Computing services -**Amazon S3, Amazon, EBS, Amazon EC2** In order to maintain such a loaded service, the company uses such cloud computing services.
* **Database - PostgreSQL**. This kind of app will have a lot of photos and videos. PostgreSQL is a great solution for storing such a massive amount of data.

So using the example of instagram we can deliver our project faster and better.