Here is a list of concepts you need to be ready to explain or define:

- Definition of a web service; RESTful web services and SOAP-based web services, Distributed computing systems based on remote procedure calls, server-side and client-side proxies and their function; marshalling and unmarshalling; serialization and deserialization of data.

- Nature of RESTful web services, how to design and implement an RESTful web service, RESTful clients.

- CRUD and HTTP methods and their role in RESTful webservice, recommended use of GET, PUT, POST and DELETE in HTTP; actual use of PUT and POST in RESTful services and why it differs from the recommendation of the standards bodies.

- Implementing RESTful services, use of application and request-scoped beans; different ways of making such beans available to your service, including the use of web listeners and dependency injection.

- JSON: The JSON.parse and JSON.stringify methods in JavaScript; Java API for working with JSON as covered in Week 2 Wednesday and Week 3 Monday lectures.

- Important servlet API methods useful in working with path parameters: HttpServletRequest methods for working with path info and query parameters.

- Definition of frequently used terms such as context root, request scope, application scope, servlet context, AJAX.

- Use of AJAX in implementing RESTful clients.