

Geo-application Development

Assignment 2

Custom Web Mapping Application

Assignment 2 ::: Customised Web Map

- Enhance the current web mapping application that you created during the lab sessions. *For instance*, ...
 - ◆ ...integrate additional data sources
 - ◆ ...integrate diagrams into your map
 - ◆ ...add an AJAX component
 - ◆ ...add simple data processing functionality
 - ◆ ...add an address search
 - ◆ ...add clickable popups
 - ◆ ...spatio-temporal visualisation
 - ◆ *...up to your creativity!*

→ *Plan your time realistically!*

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- Potential thematic directions
 - ◆ **COVID-19 dashboard** (enhance existing application – design, functionality, datasets, etc.)
 - ◆ **US election map/dashboard**
 - ◆ **Salzburg Music Map** (enhance an existing application: search function, upload/download functionality, etc.)



Assignment 2 ::: Customised Web Map

- Groups of 3 students
- Submission via email – bernd.resch@sbg.ac.at:
Email subject "Geo-app IP Assignment 2"
 - ◆ 1.) **Concept** (max. 1 page description of the topic, data sources, etc.) → *due 08 April 2021*
 - Discussion and questions in the next sessions
 - ◆ 2.) **Implementation** (s. next slide) → *due 07 May 2021*
 - You will have time to work on it in the last web dev session



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- **Implementation:** submit code including inline documentation of key parts
- **Report**
 - ~2 pages (design decisions, implementation details, etc.)
 - ◆ Specify for all group members
 - How much they contributed (every group member has to contribute at least 25% of the entire work)
 - What they contributed (programming, documentation, ...)



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- Grading depends on...
 - ◆ ...the complexity of the task
 - ◆ ...the code style of the implementation (modularity, algorithm design, efficiency, etc.)
 - ◆ ...the quality of the report
 - ◆ ...the individual contributions



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