

Dissecting The Digital Landscape: A Comprehensive Analysis Of Social Media

Project Development Phase

No.of Functional Features included In The Solution

Social media is digital technology that allows the sharing of ideas and information, including text and visuals, through virtual networks and communities.

Social media typically features user-generated content that lends itself to engagement via likes, shares, comments, and discussion.

What are the 5 key features of social media?

- The main features of social media apps comprise like and share options, media sharing, profile/ page following, private & group chat, video calls, voice calls, push notifications.
- Social media is an important part of today's world. It helps people stay connected and share ideas, thoughts, and opinions with others in a safe and secure environment.

Code layout

- BOUT++ is organised into classes and groups of functions which operate on them: It's not purely object-oriented, but takes advantage of many of C++'s object-oriented features.
- The layout below uses less vertical space than the previous one. It is good for writing programs with pencil on paper

Diagram of code layout

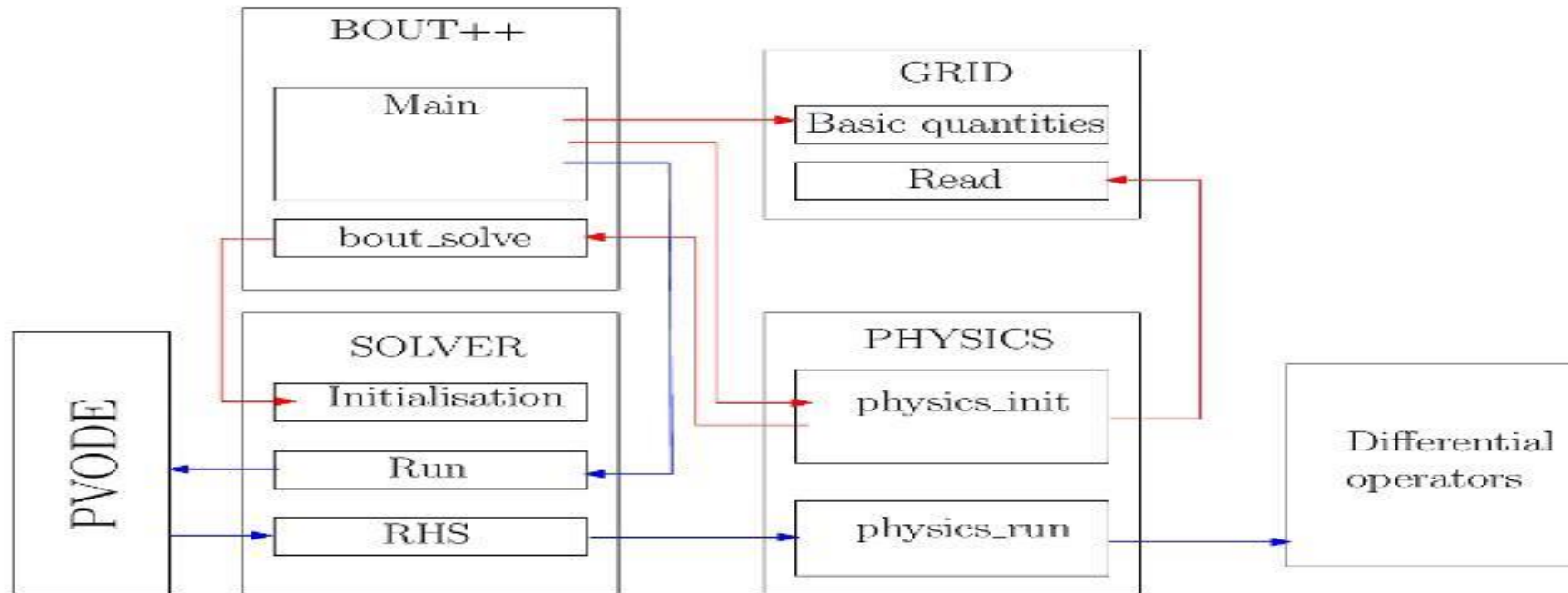


Fig. 21 Overview of BOUT++ control flow during initialisation (red), and running (blue)

Readability, Reusability

- Readability is all about how easy or difficult it is to read something. Readability depends on a text's presentation (such as font choice, spacing or colors) and context (the words and sentences on the page).
- Ex: Digital stop watches have the combined benefit of precision time keeping and excellent readability. Double-space after each paragraph to improve readability and better organize your information.
- Reusability—the ease with which the product or portions of the product can be reused in the development of other systems. From: Advances in Computers, 2006.

Utilization Of Algorithms

- social media algorithm is a complex set of rules and calculations used by social media platforms to prioritize the content that users see in their feeds.
- Users' past behavior, content relevance, and the popularity of posts are some of the vital algorithm factors taken into account by social media platforms.

Optimal Memory Utilization

- 8GB of RAM for casual computer usage and internet browsing, 16GB for spreadsheets and other office programs, and at least 32GB for gamers and multimedia creators. How you use your computer influences how much RAM you need, so use this as a guideline.

Debugging And Traceability

- Trace works in both debug and logging mode, recording events as they occur in real-time. The main advantage of using trace over debugging is to do a performance analysis, which can't be accomplished on the debugging end. What's more, trace runs on a different thread. Thus, it doesn't impact the main code thread.

Exception handling

- Exception handling is a mechanism that separates code that detects and handles exceptional circumstances from the rest of your program.
- Note that an exceptional circumstance is not necessarily an error. When a function detects an exceptional situation, you represent this with an object.